

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051719\
 Data File : VL033702.D
 Acq On : 17 May 2019 3:18
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:05:03 PM

Quant Time: May 17 07:58:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 2019
 QLast Update : Fri May 17 07:07:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1131261	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2687465	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2665915	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	2139470	9.79	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.08	85	254233	0.983 ppbv	100
3) Chlorodifluoromethane	3.01	51	134767m	0.830 ppbv	
4) Chloromethane	3.17	50	75746	0.897 ppbv	97
5) Vinyl Chloride	3.29	62	74387	0.905 ppbv	95
6) Bromomethane	3.52	94	45383	0.867 ppbv	99
7) Chloroethane	3.60	64	26372	0.881 ppbv	91
8) Dichlorotetrafluoroethane	3.22	85	195736	0.904 ppbv	99
9) Propene	3.03	41	54338	0.875 ppbv	95
10) Heptane	8.24	43	149533	0.971 ppbv	98
11) Trichlorofluoromethane	4.00	101	224137	0.900 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	152449	0.908 ppbv	98
13) Ethanol	3.66	45	20913	1.105 ppbv	94
14) Bromoethene	3.79	108	57066	0.881 ppbv	99
15) Acetone	3.90	43	162147	0.957 ppbv	99
16) 1,3-Butadiene	3.36	39	61162m	0.861 ppbv	
17) tert-Butyl alcohol	4.36	59	125625	0.964 ppbv	97
18) 1,1-Dichloroethene	4.35	96	64096	0.886 ppbv	93
19) Isopropyl Alcohol	4.03	45	100821	0.953 ppbv	# 96
20) Methylene Chloride	4.41	84	60225	0.940 ppbv	98
21) Allyl Chloride	4.47	41	87590	0.851 ppbv	97
22) trans-1,2-Dichloroethene	4.96	96	66212	0.923 ppbv	93
23) Vinyl Acetate	5.15	43	186255	0.853 ppbv	# 94
24) 1,1-Dichloroethane	5.08	63	156234	0.947 ppbv	99
25) Ethyl Acetate	5.77	43	285075	1.033 ppbv	99
26) Hexane	5.78	57	123032	1.037 ppbv	96
27) Carbon Disulfide	4.62	76	143291	0.880 ppbv	97
28) Methyl tert-Butyl Ether	5.12	73	182938	0.923 ppbv	98
29) Chloroform	5.84	83	216213	1.016 ppbv	98
30) Cyclohexane	7.24	84	91200	0.921 ppbv	96
31) cis-1,2-Dichloroethene	5.64	61	117629	1.009 ppbv	90
32) 1,1,1-Trichloroethane	6.61	97	216908	0.991 ppbv	99
34) 2-Butanone	5.34	43	172676	1.001 ppbv	100
35) Carbon Tetrachloride	7.13	117	222572	1.006 ppbv	99
36) Benzene	7.00	78	241028	0.993 ppbv	97
37) 1,2-Dichloroethane	6.41	62	160478	0.948 ppbv	100
38) Trichloroethene	7.96	130	94715	1.069 ppbv	95
39) 1,2-Dichloropropane	7.73	63	93407	1.032 ppbv	95
40) 1,4-Dioxane	7.97	88	38582m	1.054 ppbv	
41) Tetrahydrofuran	6.16	42	88596	0.982 ppbv	99
42) Bromodichloromethane	7.91	83	215302	0.990 ppbv	98
43) Methyl Methacrylate	8.14	69	86268	0.947 ppbv	98

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Quant Time: May 17 07:58:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	427811	1.032	ppbv	98
45) t-1,3-Dichloropropene	9.41	75	97454	0.866	ppbv	97
46) cis-1,3-Dichloropropene	8.83	75	120494	0.861	ppbv	96
47) 1,1,2-Trichloroethane	9.61	97	105441	1.014	ppbv	91
48) Dibromochloromethane	10.44	129	172771	0.978	ppbv	98
49) Bromoform	13.19	173	142150	0.941	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	260869	0.998	ppbv	97
51) 2-Hexanone	10.28	43	190014	0.933	ppbv #	95
52) Tetrachloroethene	11.37	164	87940m	1.021	ppbv	
53) Toluene	9.94	91	254592	0.967	ppbv	99
54) 1,2-Dibromoethane	10.76	107	156387	0.996	ppbv	91
56) 1,1,1,2-Tetrachloroethane	12.27	131	126308	1.019	ppbv #	1
57) Chlorobenzene	12.30	112	231566	1.048	ppbv #	92
58) Ethyl Benzene	12.86	91	358622	1.021	ppbv	93
59) m/p-Xylene	13.14	91	633714m	2.049	ppbv	
60) o-Xylene	13.84	91	323509	1.036	ppbv	99
61) Styrene	13.68	104	202113	0.970	ppbv	99
62) Isopropylbenzene	14.82	105	428739	1.004	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	241385	1.066	ppbv	99
64) n-propylbenzene	15.72	120	112840	1.024	ppbv	96
65) tert-Butylbenzene	16.90	119	396198	1.012	ppbv	97
66) Benzyl Chloride	17.15	91	159023	0.887	ppbv #	99
67) sec-Butylbenzene	17.45	105	555133	1.018	ppbv	99
69) p-Isopropyltoluene	17.81	119	448416	0.997	ppbv	98
70) n-Butylbenzene	18.71	91	479001	1.008	ppbv	98
71) 2-Chlorotoluene	15.61	91	316194	1.003	ppbv	99
72) 4-Ethyltoluene	15.99	105	360124	0.982	ppbv	98
73) 1,3,5-Trimethylbenzene	16.15	105	360242	1.018	ppbv	98
74) 1,2,4-Trimethylbenzene	16.92	105	396061	1.004	ppbv	99
75) 1,3-Dichlorobenzene	17.16	146	244332m	1.029	ppbv	
76) 1,4-Dichlorobenzene	17.30	146	221309	0.982	ppbv	97
77) 1,2-Dichlorobenzene	17.98	146	223137	1.012	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	175606	1.004	ppbv	99
79) Naphthalene	22.41	128	332278	0.921	ppbv	96
80) Naphthalene, 2-methyl-	25.11	142	106835	0.776	ppbv	97
81) 1,2,4-Trichlorobenzene	22.13	180	204215	0.974	ppbv	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

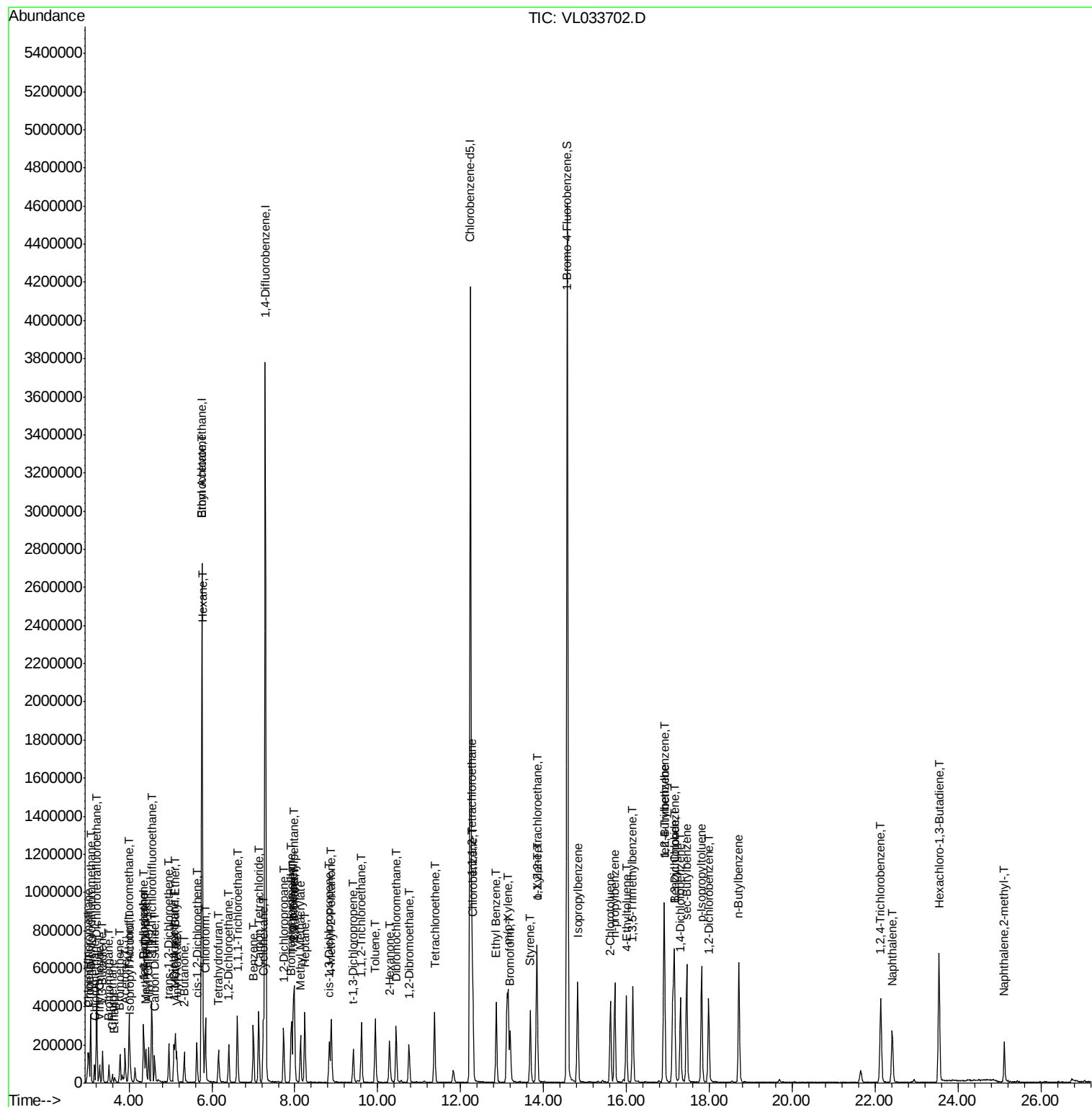
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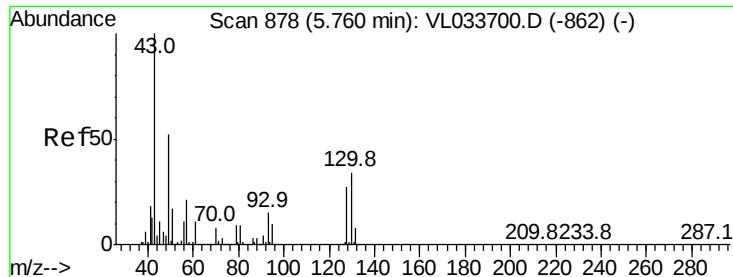
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May
QLast Update : Fri May 17 07:07:57 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 1131261

Ion Ratio Lower Upper

49 100

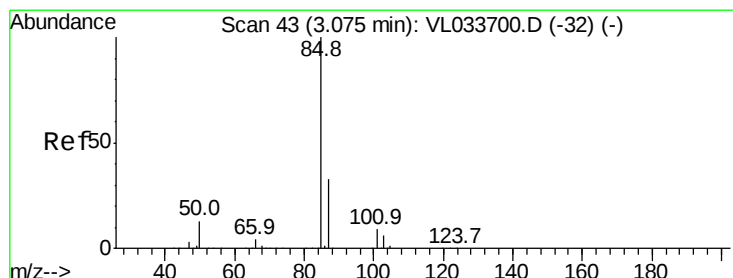
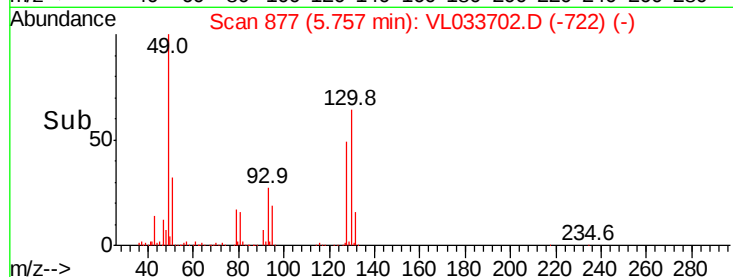
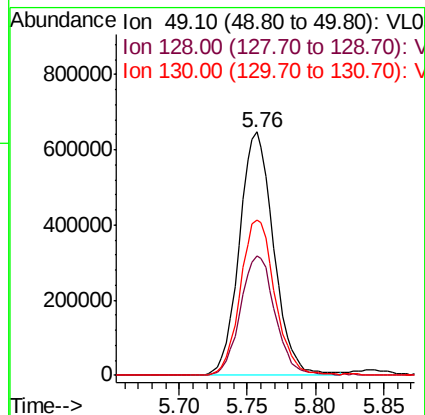
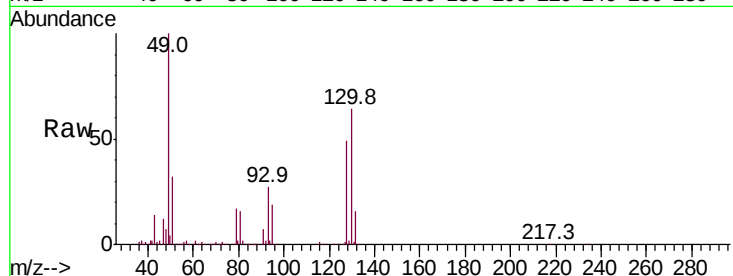
128 49.8 25.2 75.6

130 65.2 32.5 97.5

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.983 ppbv

RT: 3.08 min Scan# 43

Delta R.T. 0.00 min

Lab File: VL033702.D

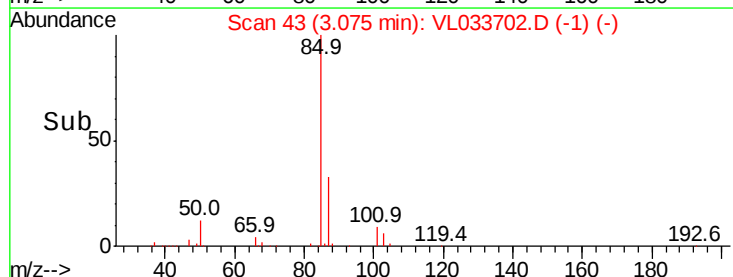
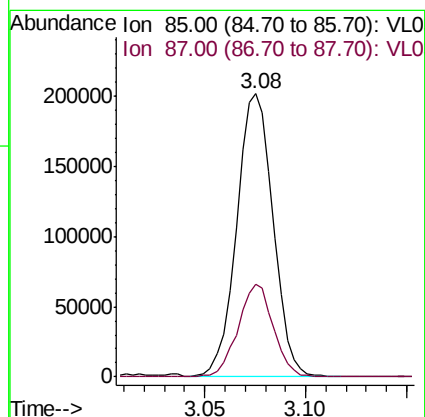
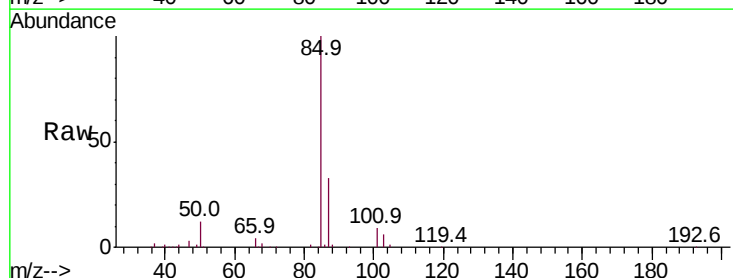
Acq: 17 May 2019 3:18

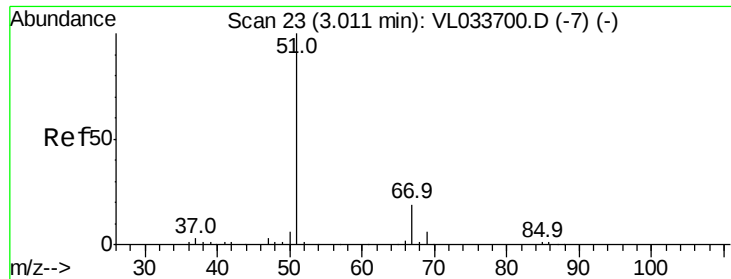
Tgt Ion: 85 Resp: 254233

Ion Ratio Lower Upper

85 100

87 33.0 26.3 39.5





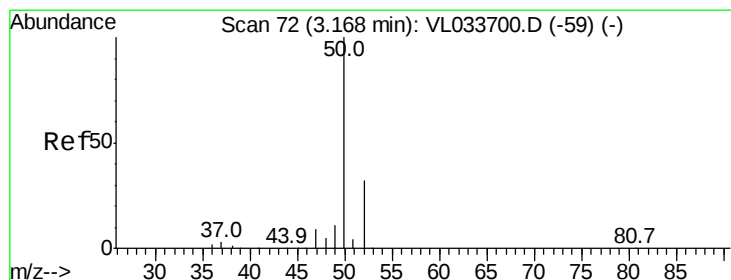
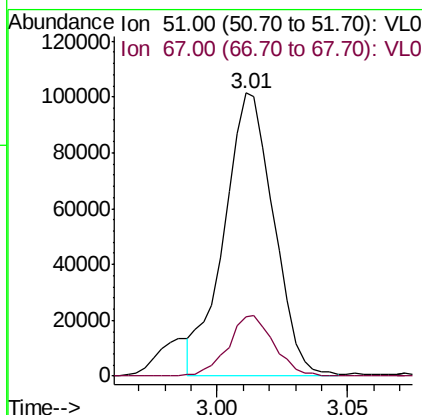
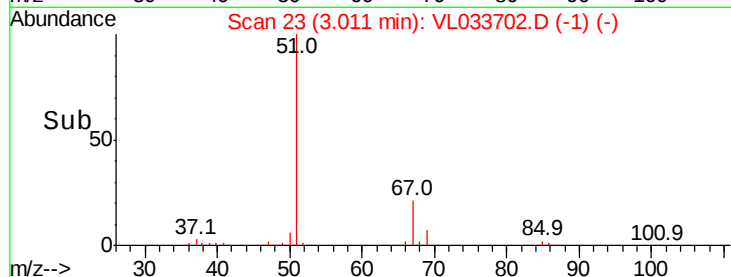
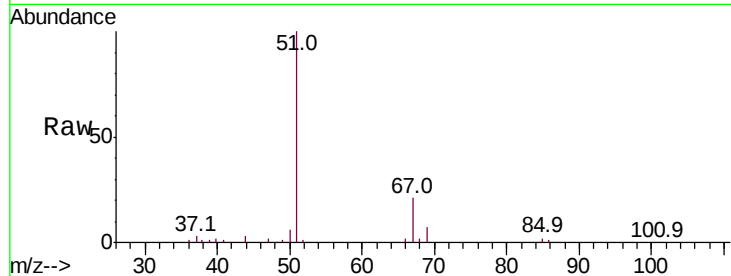
#3
Chlorodifluoromethane
Concen: 0.830 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033702.D
Acq: 17 May 2019 3:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
51	100		
67	19.7	15.6	23.4

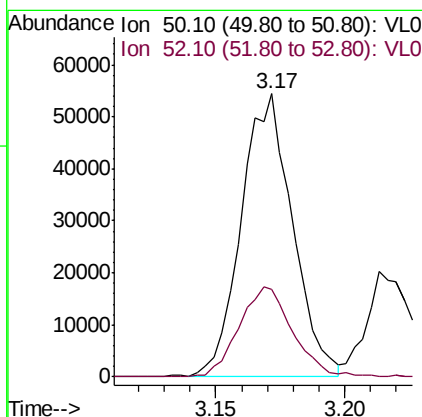
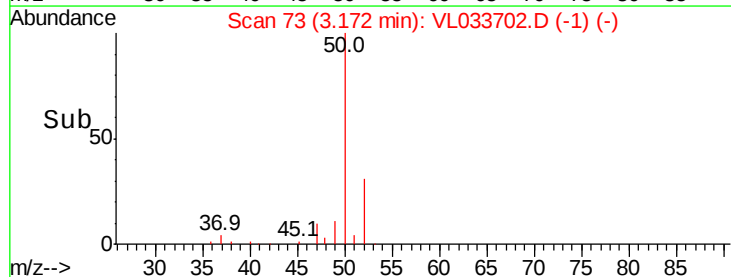
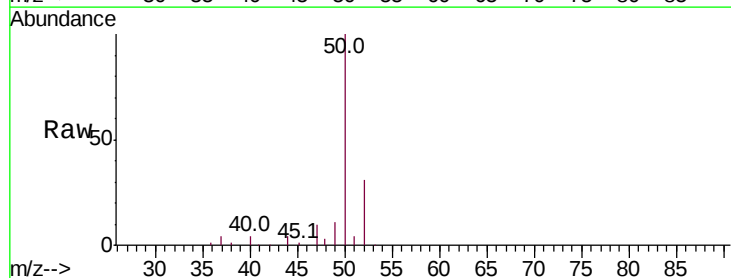
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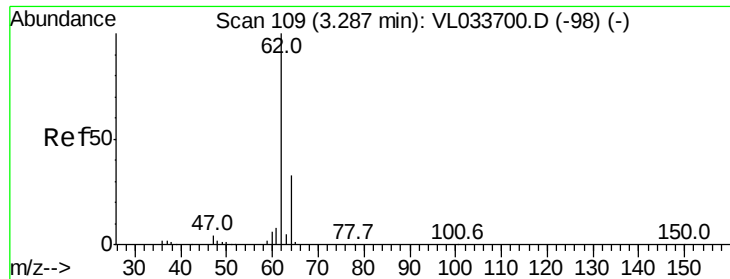
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#4
Chloromethane
Concen: 0.897 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033702.D
Acq: 17 May 2019 3:18

Tgt Ion	Ratio	Lower	Upper
50	100		
52	30.3	25.7	38.5





#5

Vinyl Chloride

Concen: 0.905 ppbv

RT: 3.29 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 74387

Ion Ratio Lower Upper

62 100

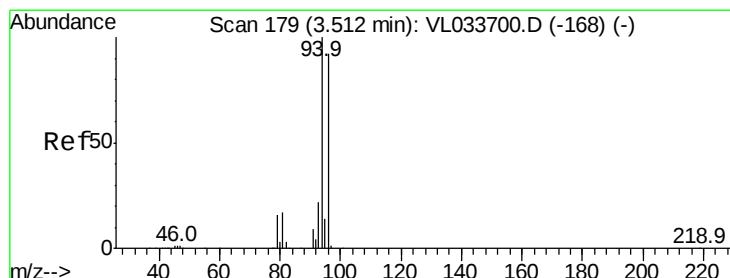
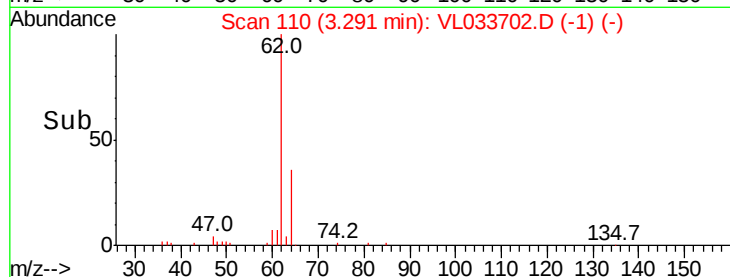
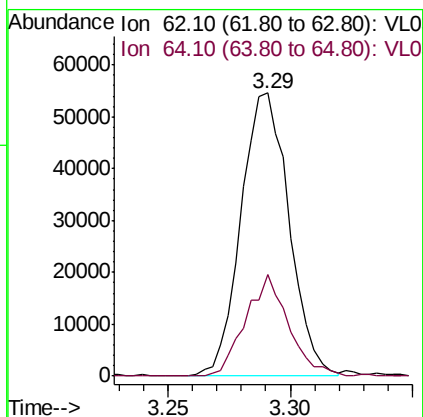
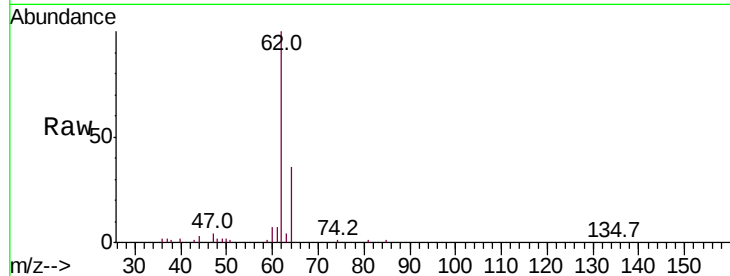
64 36.1 26.4 39.6

Manual Integrations

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#6

Bromomethane

Concen: 0.867 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033702.D

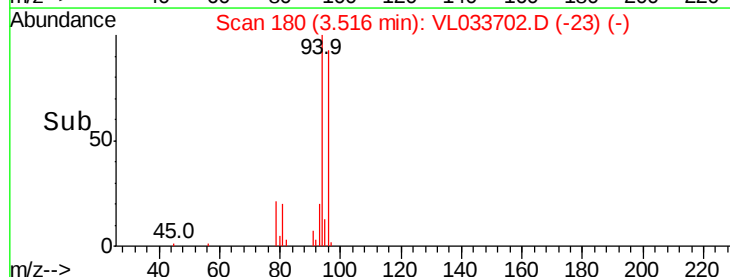
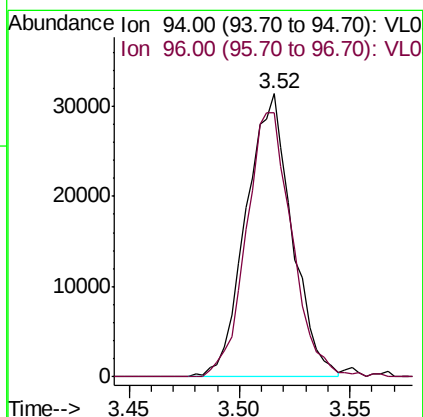
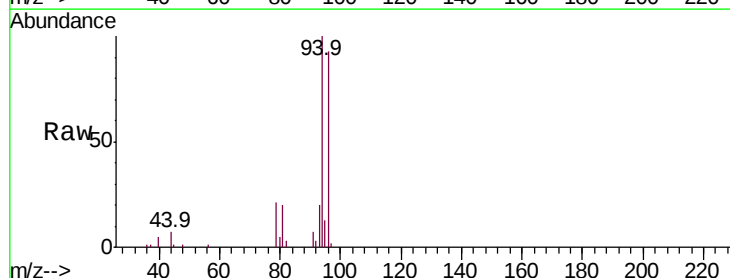
Acq: 17 May 2019 3:18

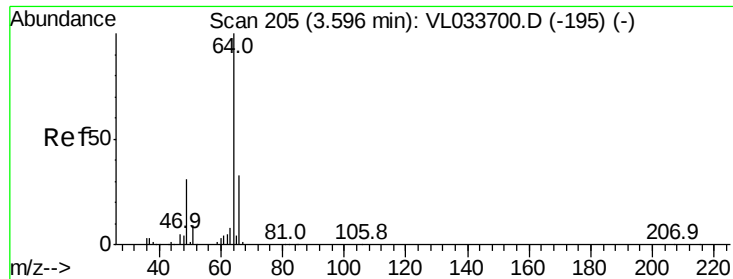
Tgt Ion: 94 Resp: 45383

Ion Ratio Lower Upper

94 100

96 93.2 73.6 110.4





#7

Chloroethane

Concen: 0.881 ppbv

RT: 3.60 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 26372

Ion Ratio Lower Upper

64 100

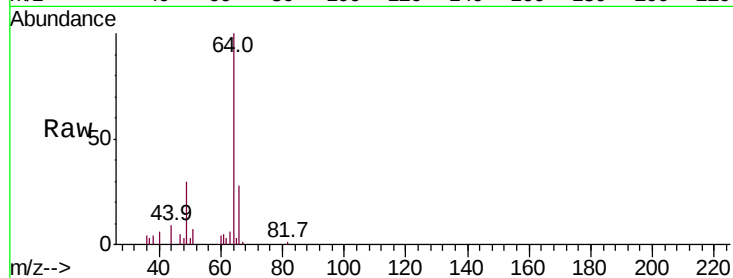
66 28.3 26.6 40.0

Manual Integrations

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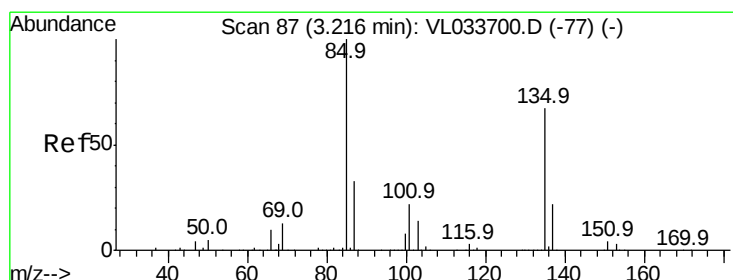
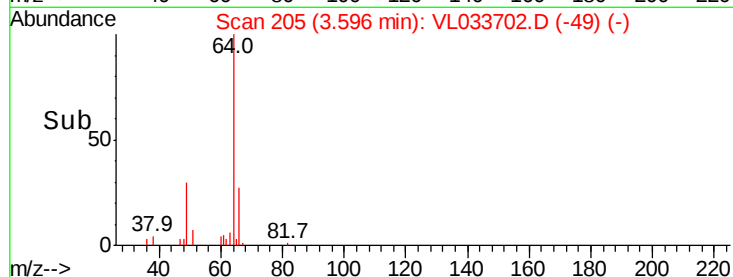
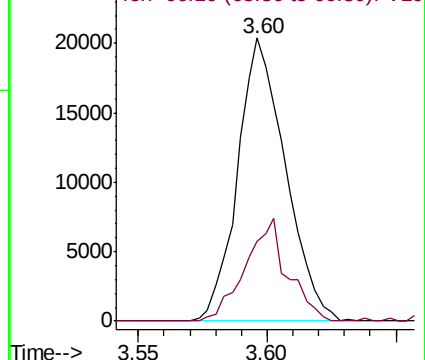
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.904 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL033702.D

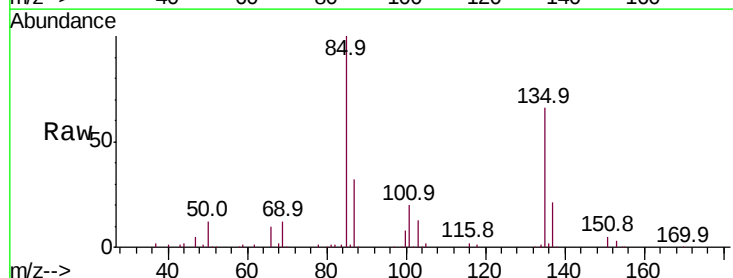
Acq: 17 May 2019 3:18

Tgt Ion: 85 Resp: 195736

Ion Ratio Lower Upper

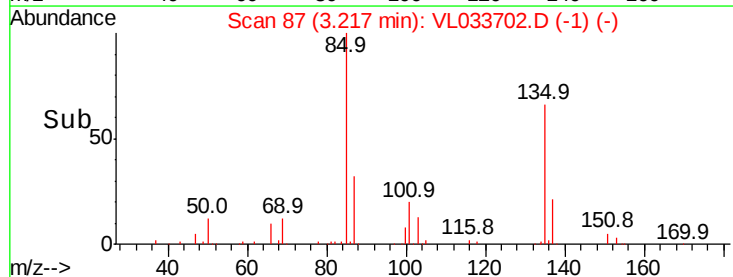
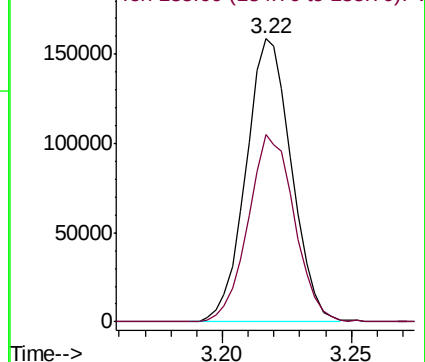
85 100

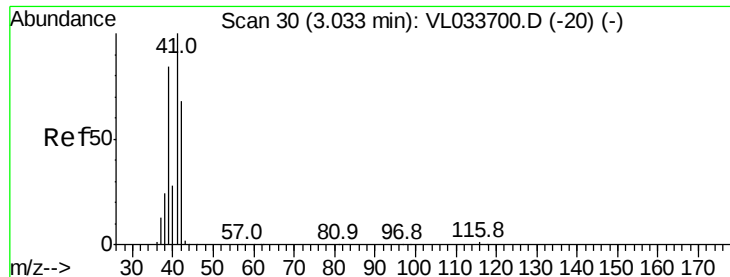
135 67.5 54.5 81.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.875 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 54338

Ion Ratio Lower Upper

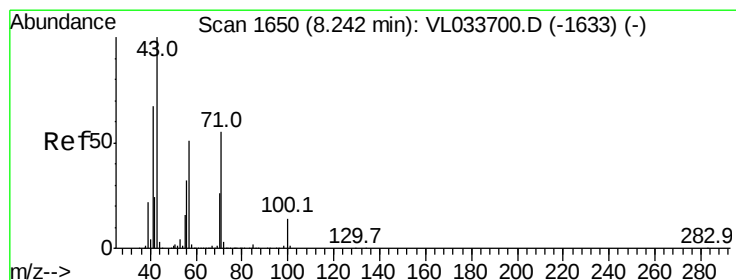
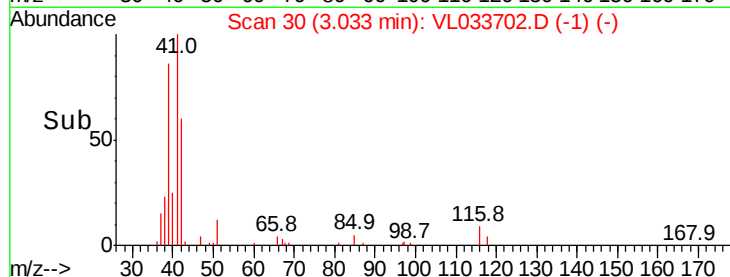
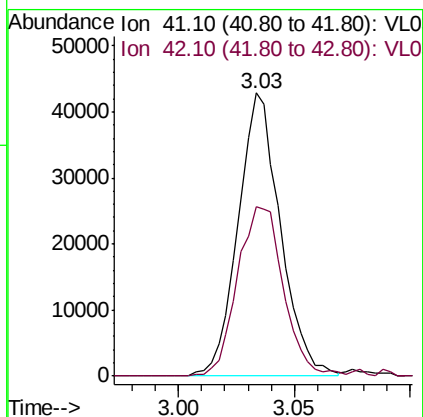
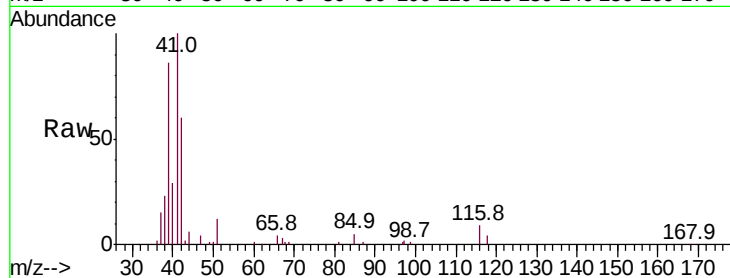
41 100

42 66.3 56.1 84.1

Manual Integrations
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#10

Heptane

Concen: 0.971 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VL033702.D

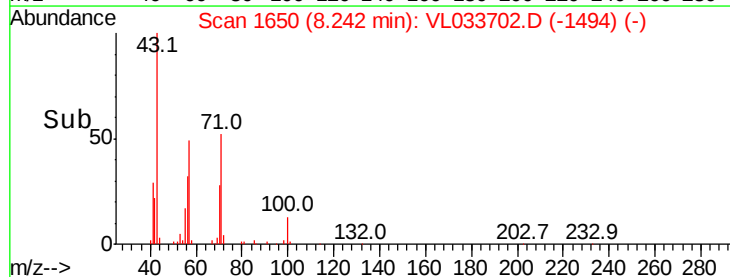
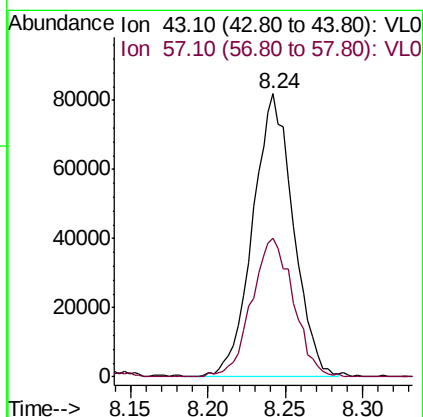
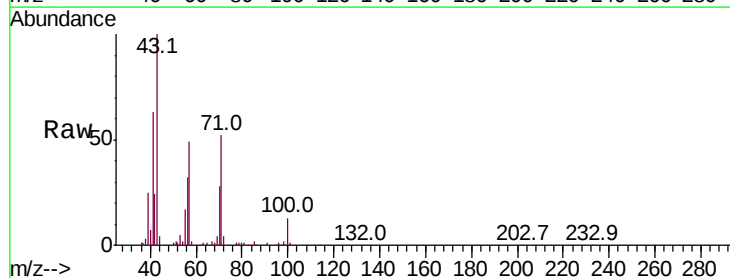
Acq: 17 May 2019 3:18

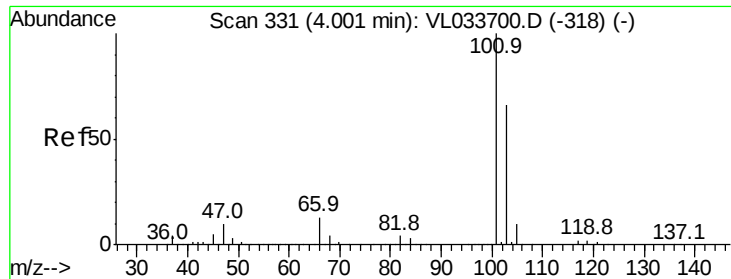
Tgt Ion: 43 Resp: 149533

Ion Ratio Lower Upper

43 100

57 50.6 41.4 62.0





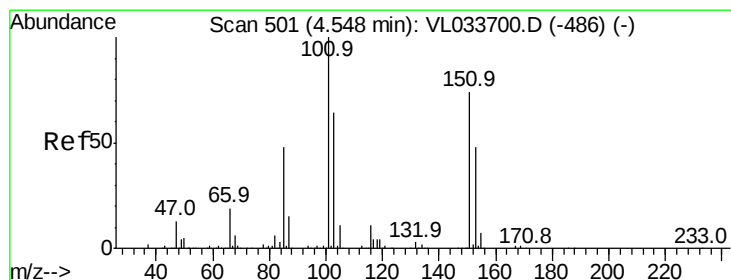
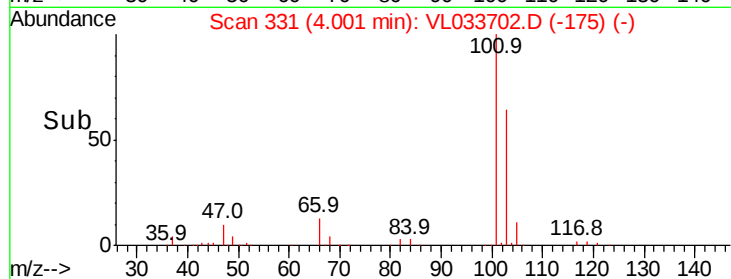
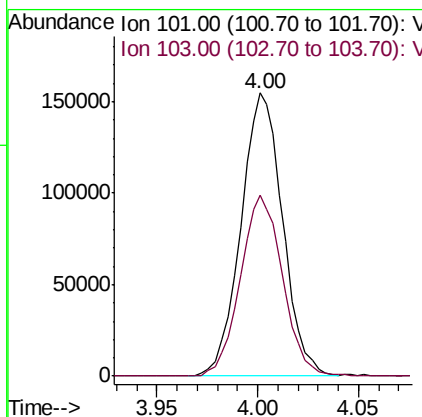
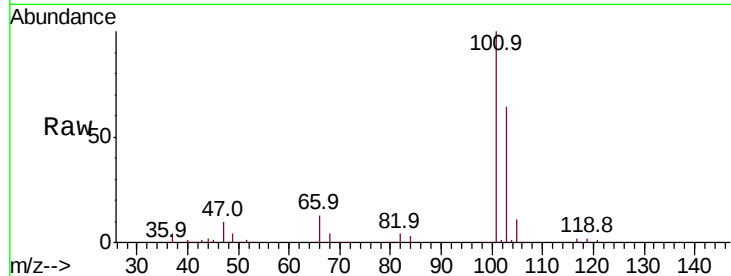
#11
 Trichlorofluoromethane
 Concen: 0.900 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. 0.00 min
 Lab File: VL033702.D
 Acq: 17 May 2019 3:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:101 Resp: 224137
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.6 78.8

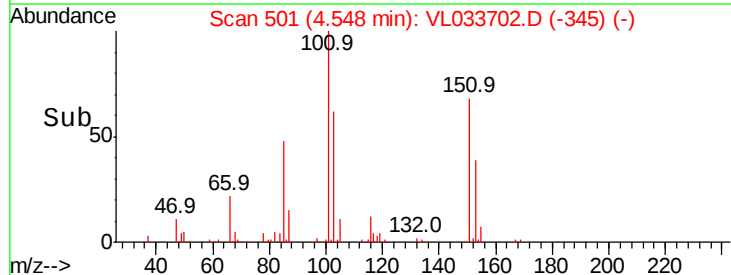
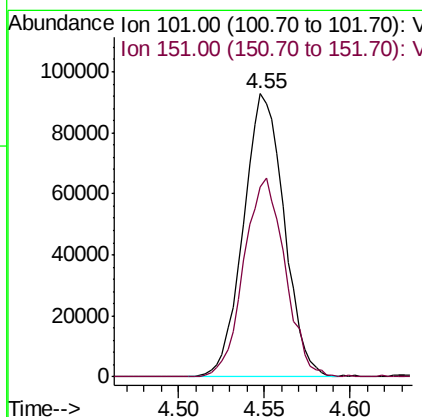
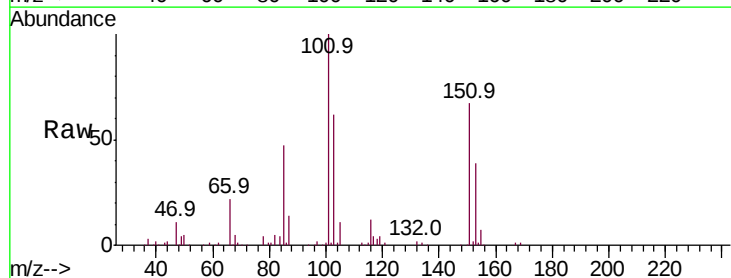
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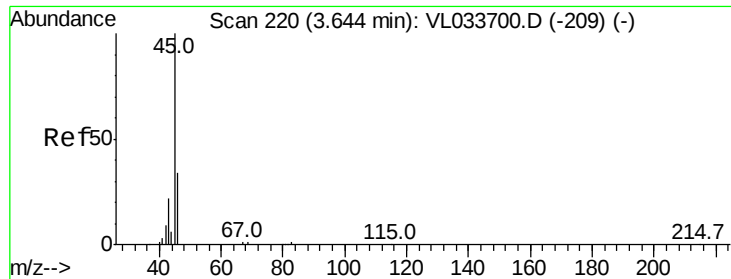
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.908 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VL033702.D
 Acq: 17 May 2019 3:18

Tgt Ion:101 Resp: 152449
 Ion Ratio Lower Upper
 101 100
 151 71.0 58.2 87.4





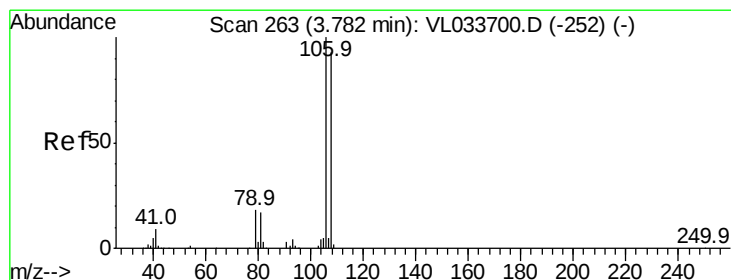
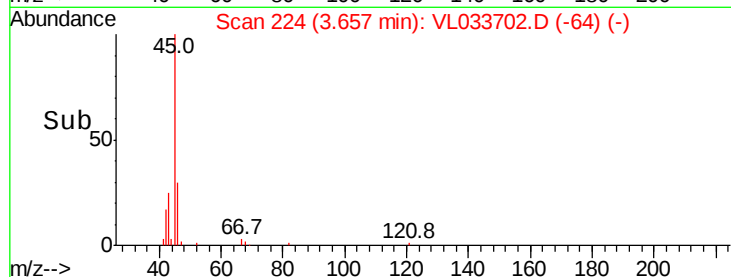
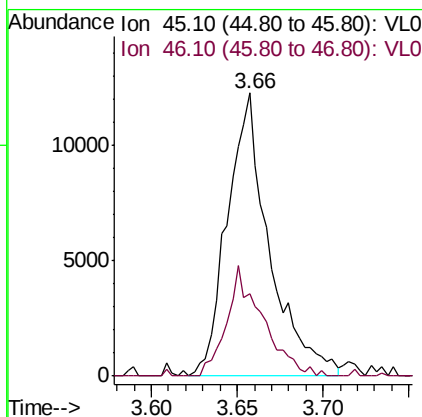
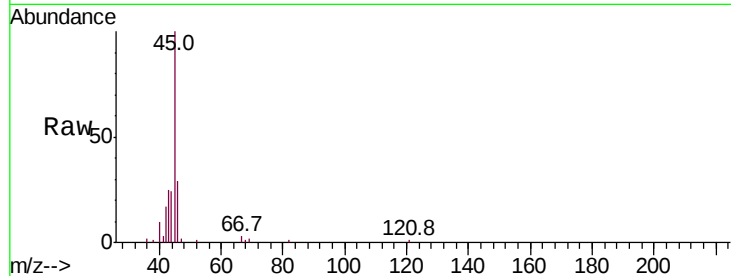
#13
Ethanol
Concen: 1.105 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033702.D
Acq: 17 May 2019 3:18

Instrument :
MSVOA_L
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
45	100		
46	33.6	14.8	59.0

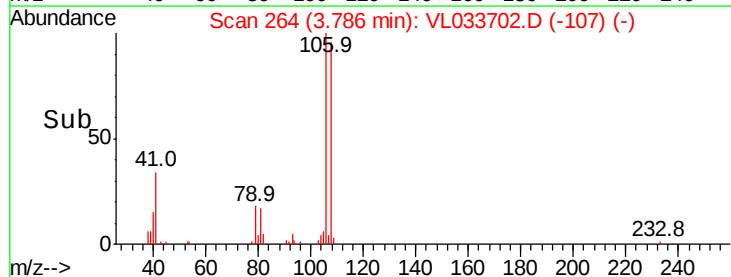
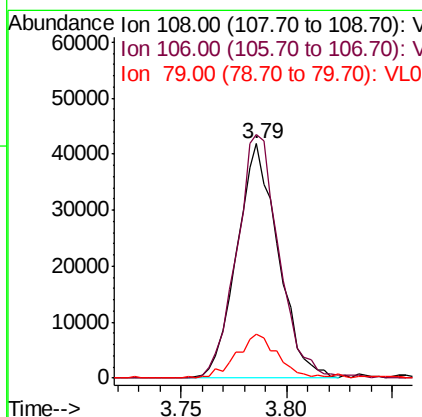
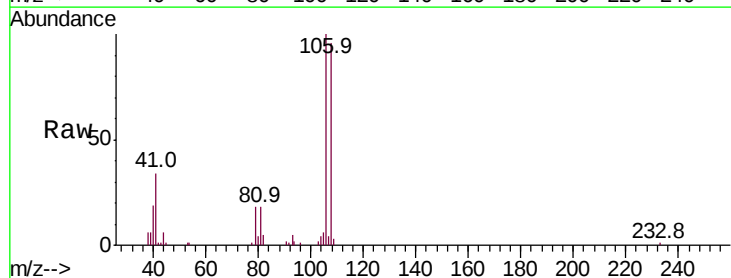
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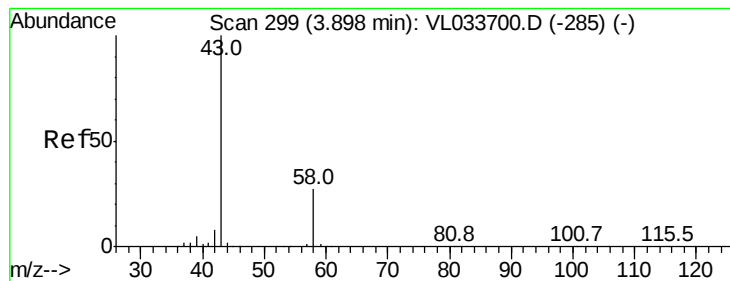
MMDadoda
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#14
Bromoethene
Concen: 0.881 ppbv
RT: 3.79 min Scan# 264
Delta R.T. 0.00 min
Lab File: VL033702.D
Acq: 17 May 2019 3:18

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.5	86.5	129.7
79	19.4	15.1	22.7





#15

Acetone

Concen: 0.957 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.01 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Instrument :

MSVOA_L

ClientSampled :

VSTDIC001

Tot Ion: 43 Resp: 162147

Ion Ratio Lower Upper

43 100

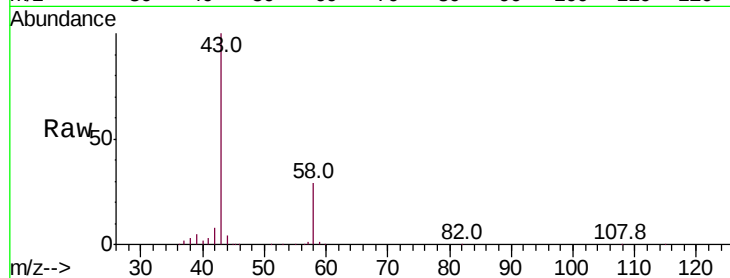
58 27.0 21.3 31.9

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

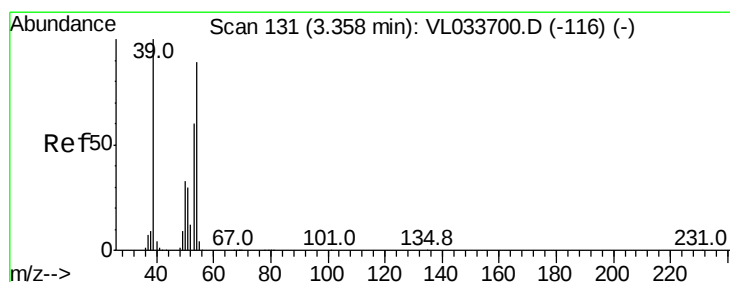
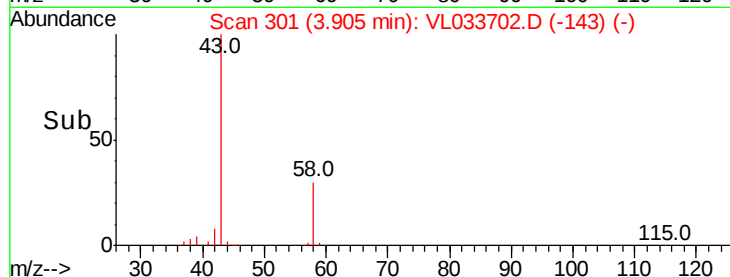
3.90

100000

50000

0

Time-->



#16

1,3-Butadiene

Concen: 0.861 ppbv m

RT: 3.36 min Scan# 131

Delta R.T. 0.00 min

Lab File: VL033702.D

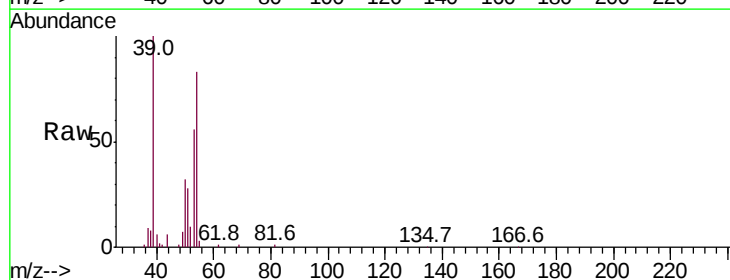
Acq: 17 May 2019 3:18

Tgt Ion: 39 Resp: 61162

Ion Ratio Lower Upper

39 100

54 88.2 69.0 103.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.36

50000

40000

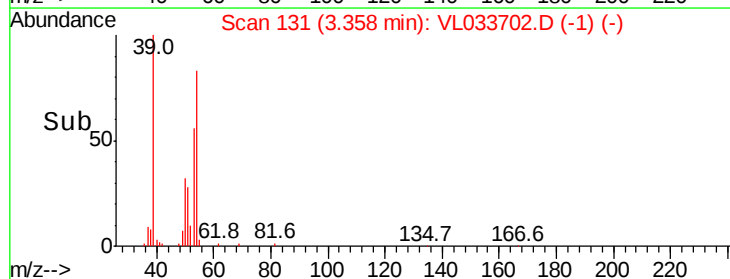
30000

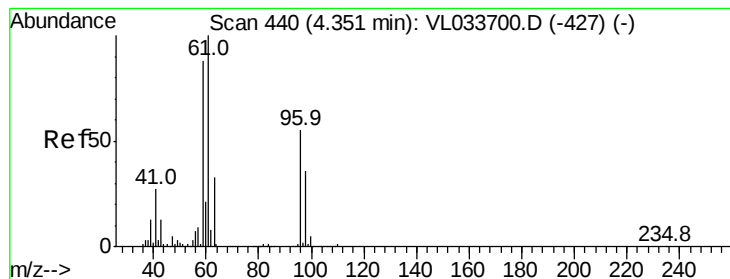
20000

10000

0

Time-->





#17

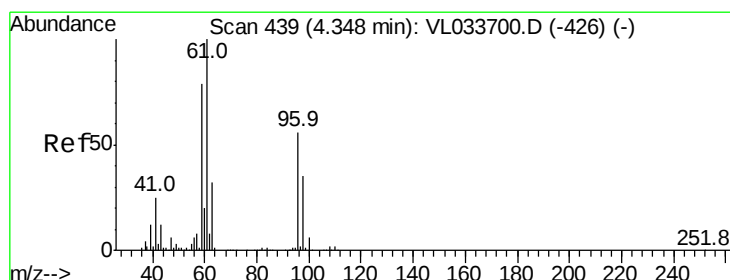
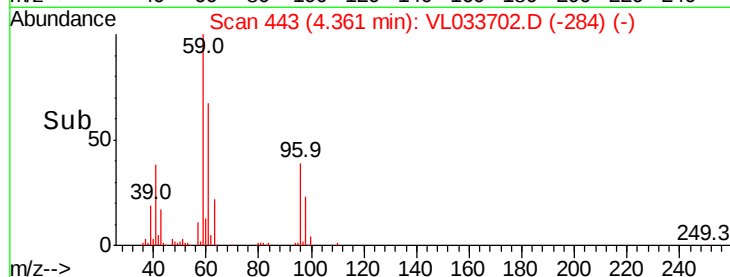
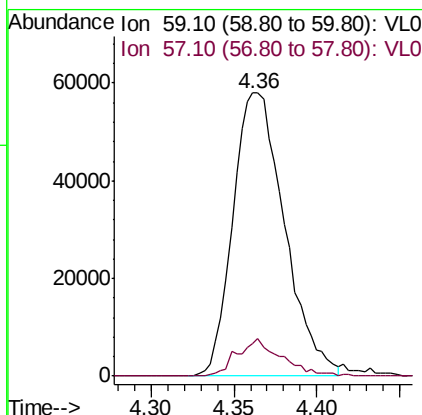
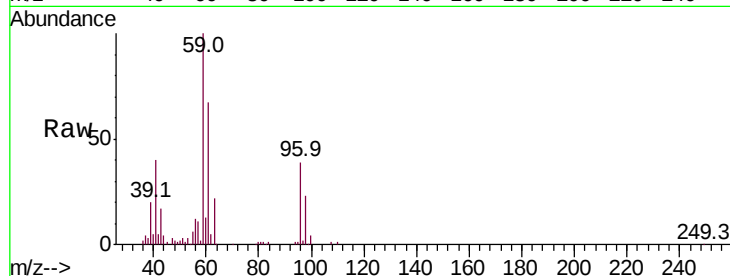
tert-Butyl alcohol
Concen: 0.964 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.01 min
Lab File: VL033702.D
Acq: 17 May 2019 3:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 59 Resp: 125625
Ion Ratio Lower Upper
59 100
57 11.5 8.4 12.6

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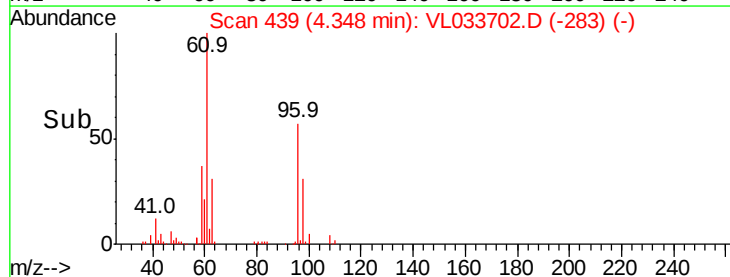
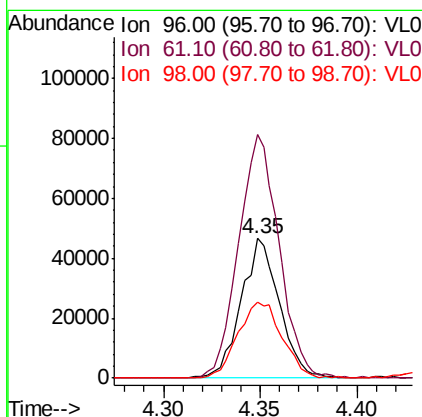
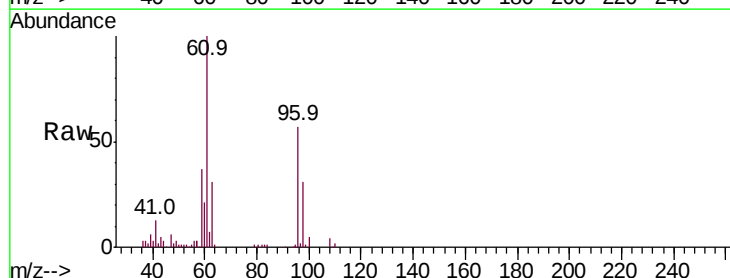
MMDadoda
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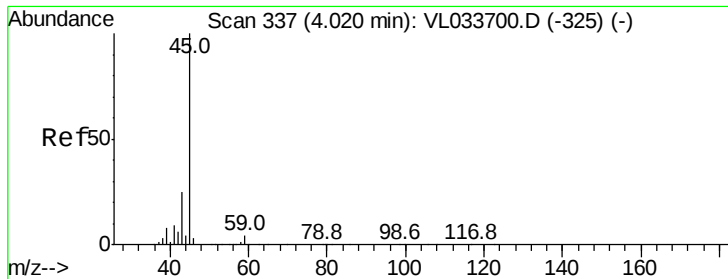


#18

1,1-Dichloroethene
Concen: 0.886 ppbv
RT: 4.35 min Scan# 439
Delta R.T. 0.00 min
Lab File: VL033702.D
Acq: 17 May 2019 3:18

Tgt Ion: 96 Resp: 64096
Ion Ratio Lower Upper
96 100
61 186.6 143.1 214.7
98 53.8 49.5 74.3





#19

Isopropyl Alcohol

Concen: 0.953 ppbv

RT: 4.03 min Scan# 341

Delta R.T. 0.01 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 100821

Ion Ratio Lower Upper

45 100

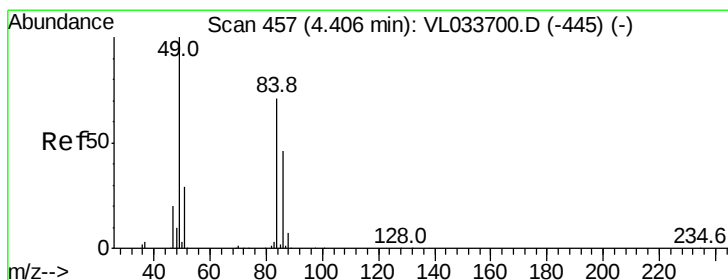
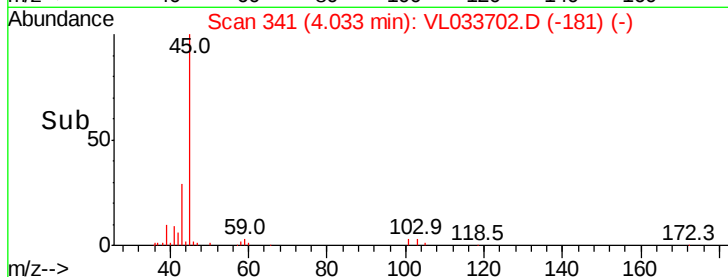
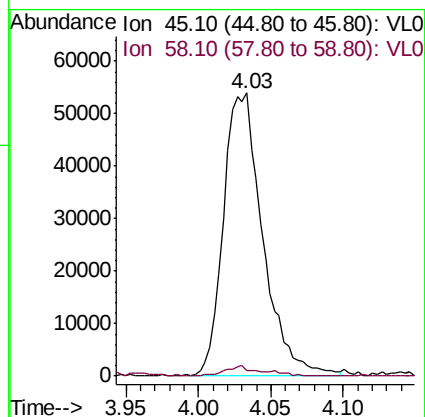
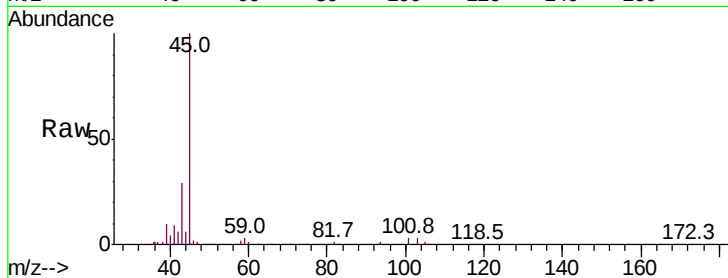
58 3.6 1.6 2.4#

Manual Integrations

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#20

Methylene Chloride

Concen: 0.940 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Tgt Ion: 84 Resp: 60225

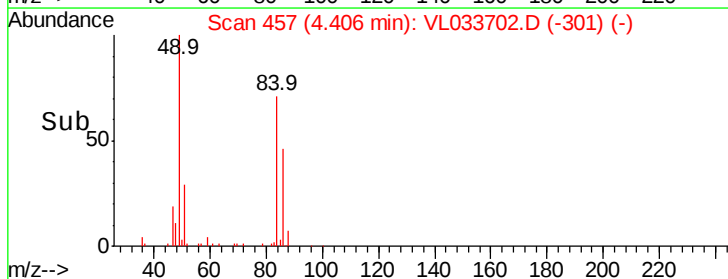
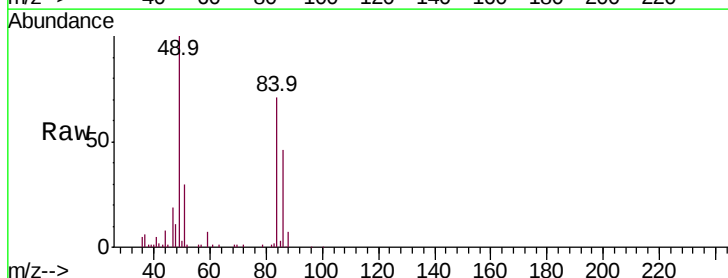
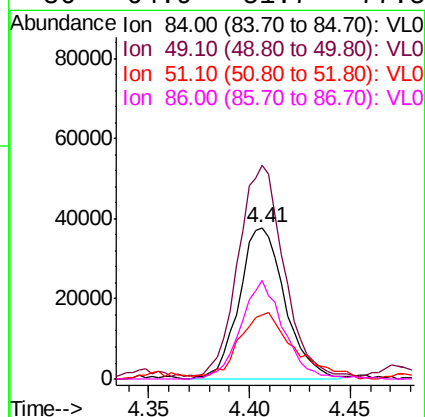
Ion Ratio Lower Upper

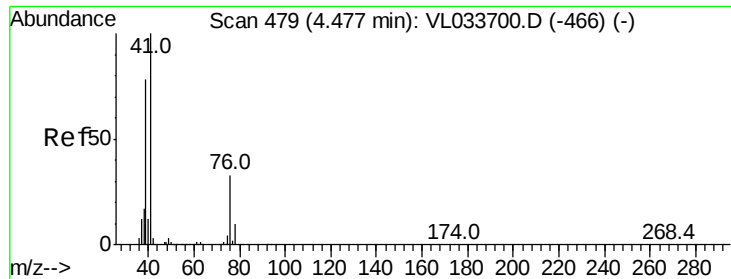
84 100

49 137.4 112.8 169.2

51 40.7 33.4 50.0

86 64.9 51.7 77.5





#21

Allvl Chloride

Concen: 0.851 ppbv

RT: 4.47 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Instrument :

MSVOA_L

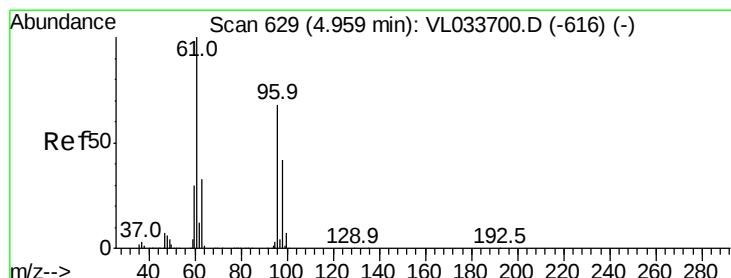
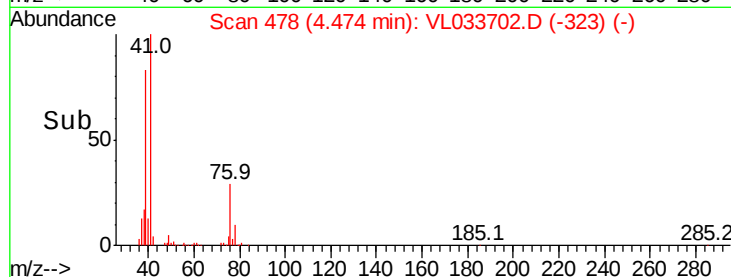
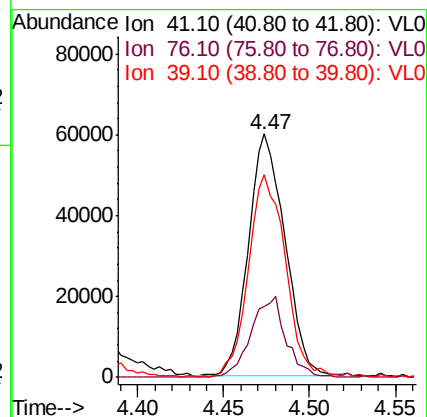
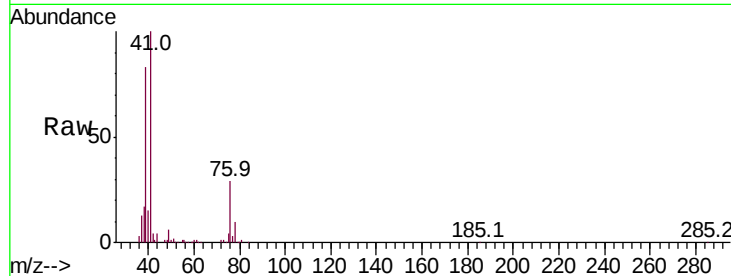
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	87590
Ion Ratio	Lower	Upper	
41	100		
76	32.3	25.9	38.9
39	84.5	64.6	97.0

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#22

trans-1,2-Dichloroethene

Concen: 0.923 ppbv

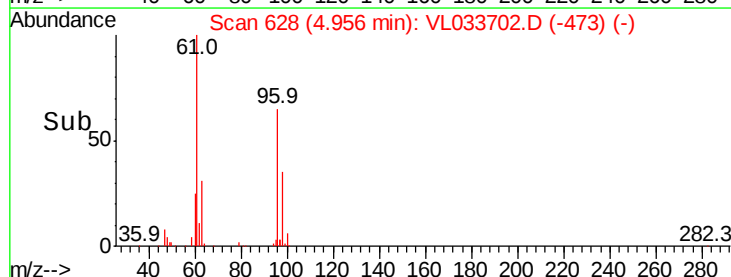
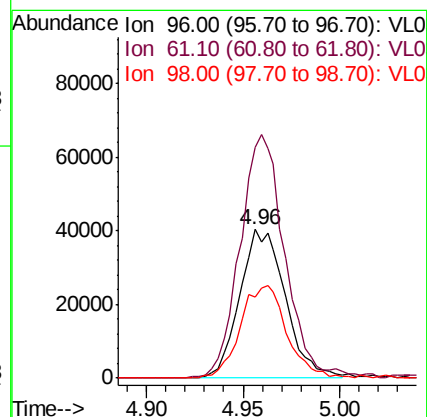
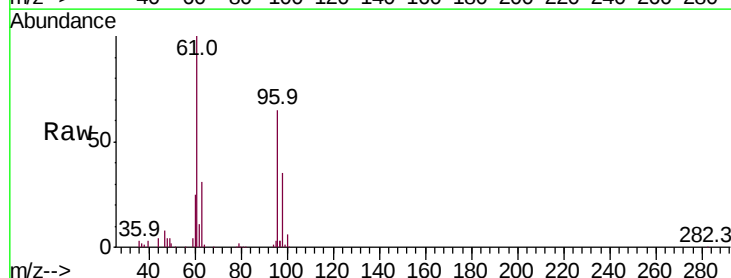
RT: 4.96 min Scan# 628

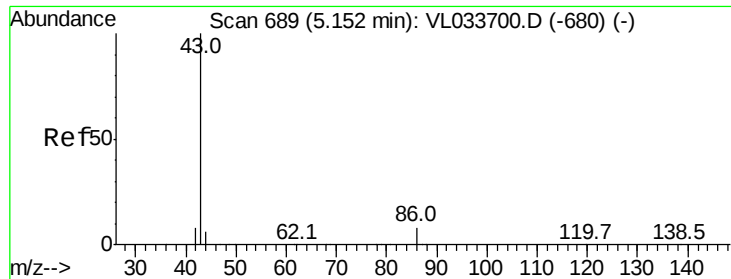
Delta R.T. -0.00 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Tgt Ion:	96	Resp:	66212
Ion Ratio	Lower	Upper	
96	100		
61	153.8	116.8	175.2
98	54.4	49.4	74.0





#23

Vinyl Acetate

Concen: 0.853 ppbv

RT: 5.15 min Scan# 689

Delta R.T. 0.00 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 186255

Ion Ratio Lower Upper

43 100

86 8.7 6.0 9.0

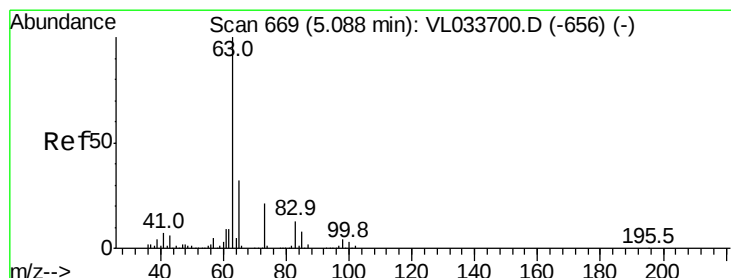
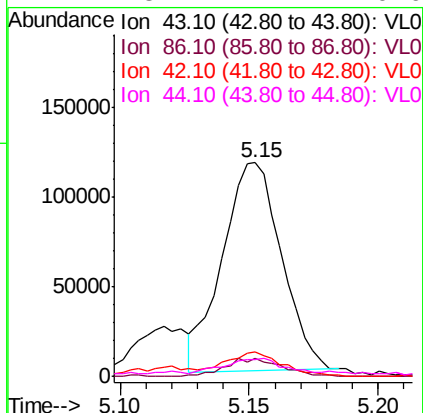
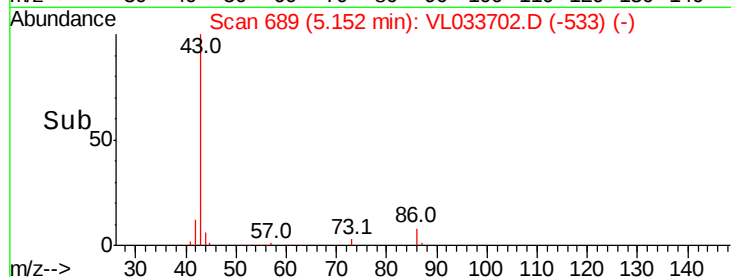
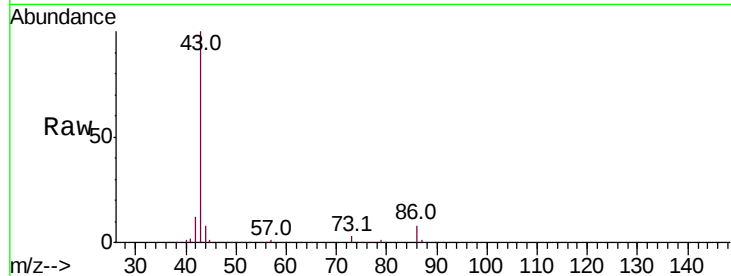
42 11.7 7.5 11.3#

44 8.1 4.4 6.6#

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#24

1,1-Dichloroethane

Concen: 0.947 ppbv

RT: 5.08 min Scan# 668

Delta R.T. -0.00 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

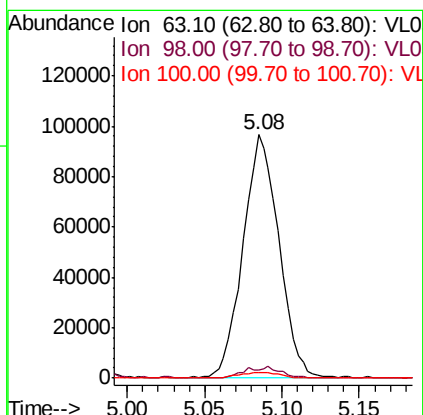
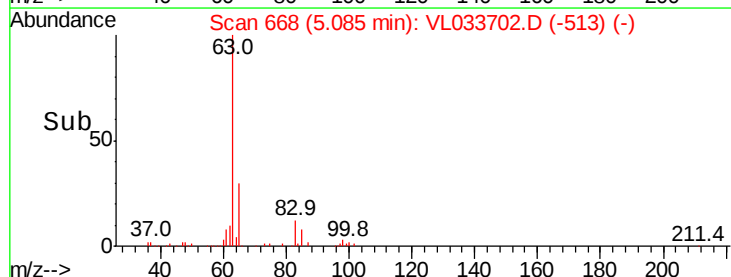
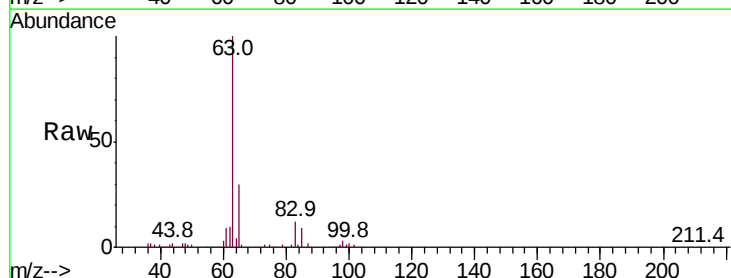
Tgt Ion: 63 Resp: 156234

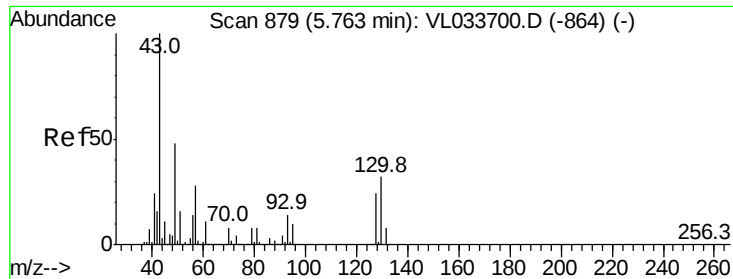
Ion Ratio Lower Upper

63 100

98 3.4 1.8 5.5

100 2.3 1.4 4.2





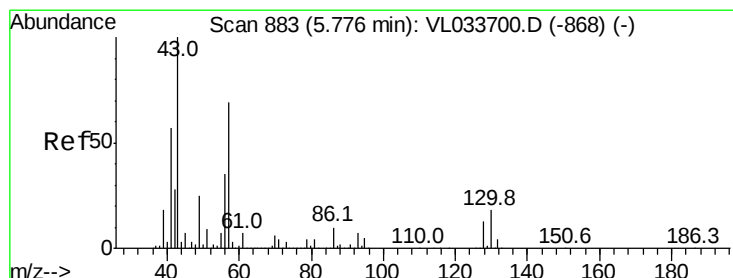
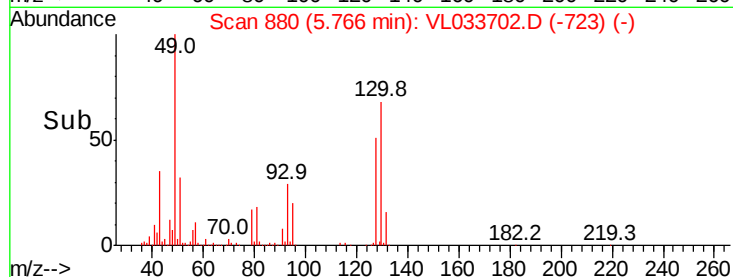
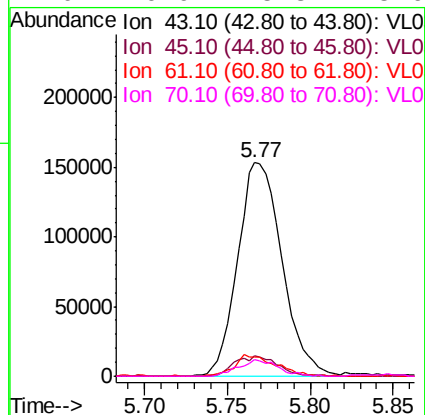
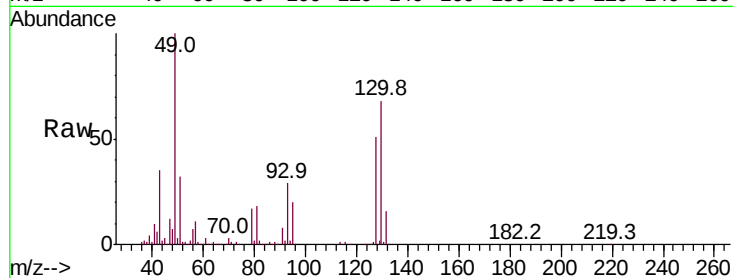
#25
Ethyl Acetate
Concen: 1.033 ppbv
RT: 5.77 min Scan# 880
Delta R.T. 0.00 min
Lab File: VL033702.D
Acq: 17 May 2019 3:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
45	9.6	7.9	11.9	
61	9.6	7.7	11.5	
70	6.9	5.8	8.6	

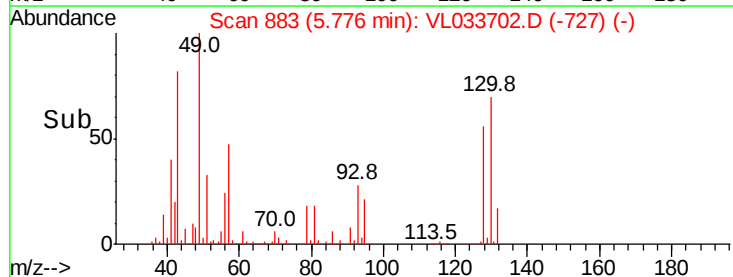
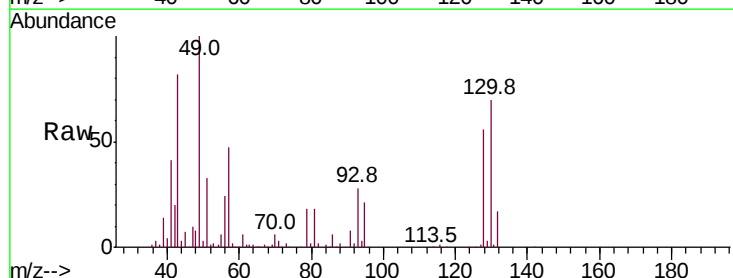
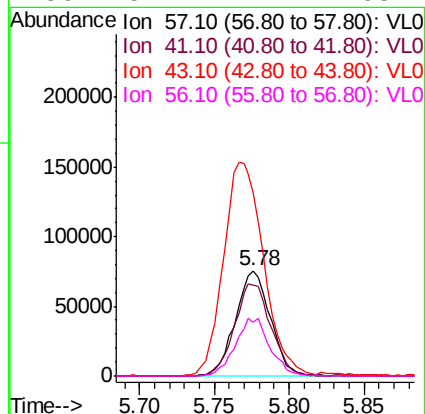
Manual Integrations
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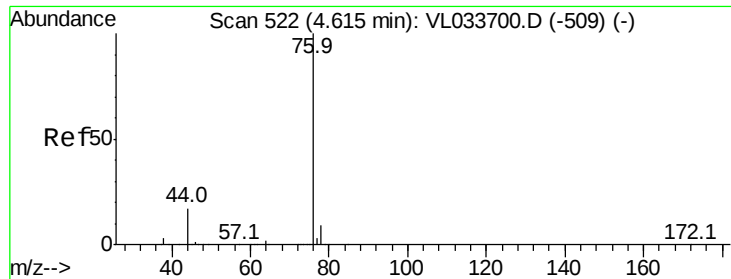
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#26
Hexane
Concen: 1.037 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033702.D
Acq: 17 May 2019 3:18

Tgt Ion	Ratio	Resp	Lower	Upper
57	100			
41	92.2	69.8	104.6	
43	233.4	181.8	272.6	
56	54.2	42.1	63.1	





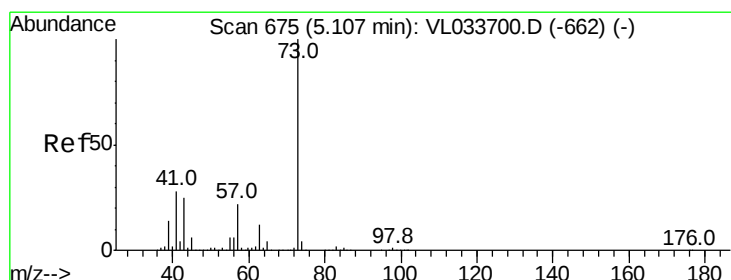
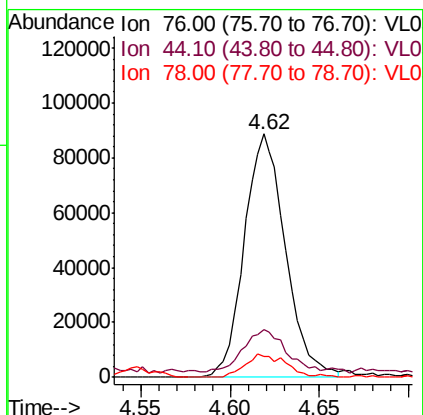
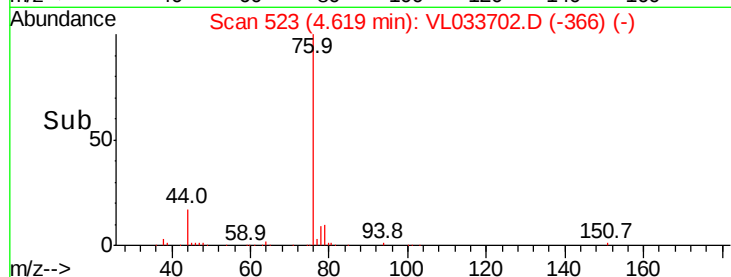
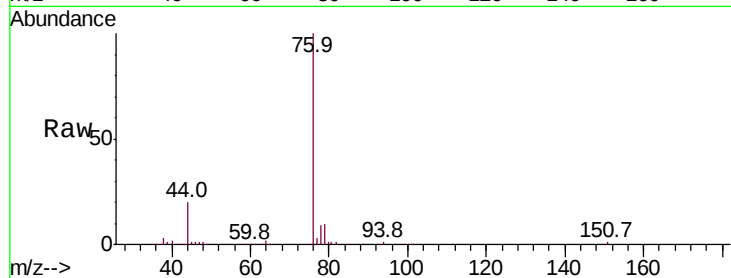
#27
Carbon Disulfide
Concen: 0.880 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033702.D
Acq: 17 May 2019 3:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
44	18.9	13.8	20.8
78	10.1	7.4	11.0

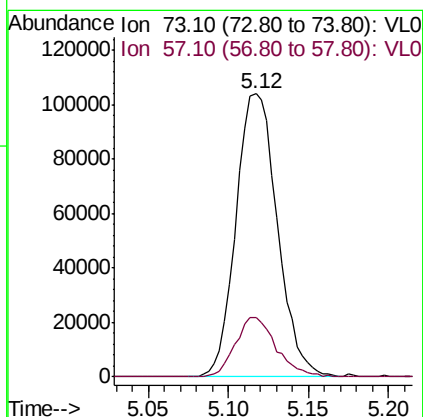
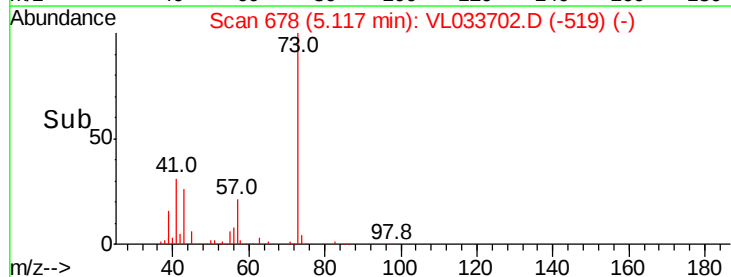
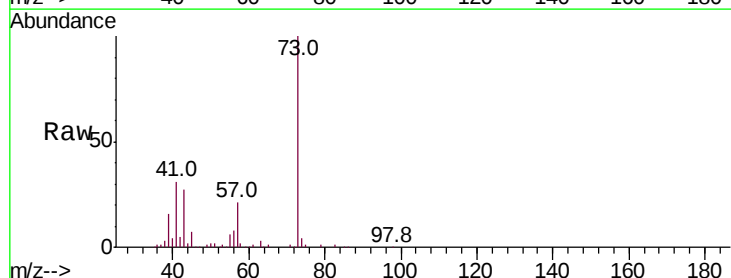
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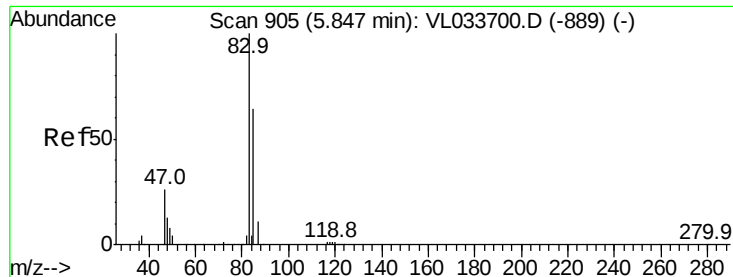
MMDadoda
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#28
Methyl tert-Butyl Ether
Concen: 0.923 ppbv
RT: 5.12 min Scan# 678
Delta R.T. 0.01 min
Lab File: VL033702.D
Acq: 17 May 2019 3:18

Tgt Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.4	26.2





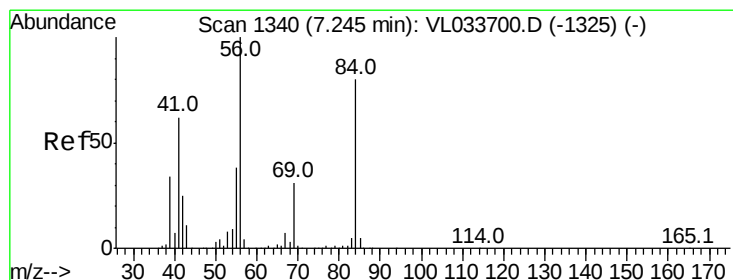
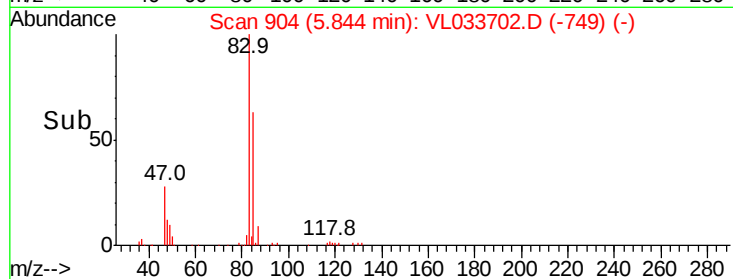
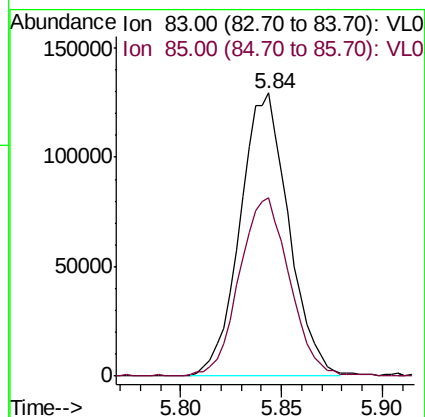
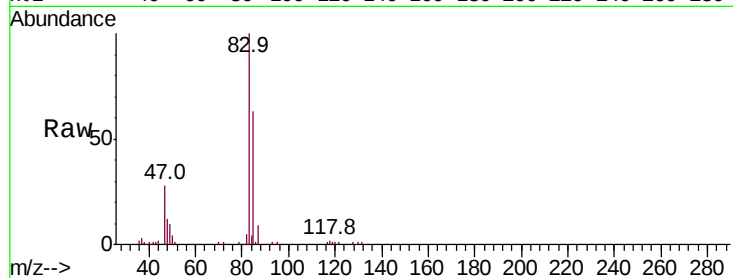
#29
Chloroform
Concen: 1.016 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL033702.D
Acq: 17 May 2019 3:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	216213
Ion Ratio	100	Lower	Upper
83	100		
85	62.9	51.5	77.3

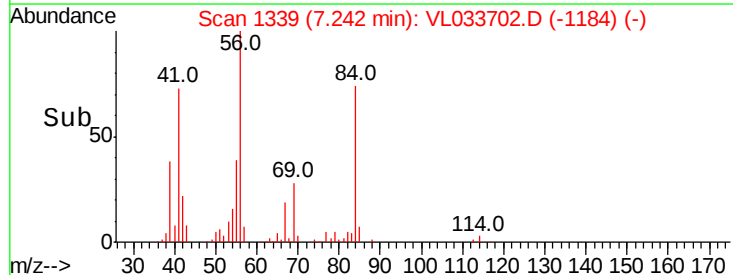
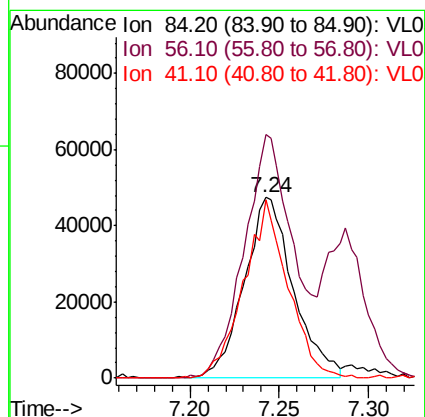
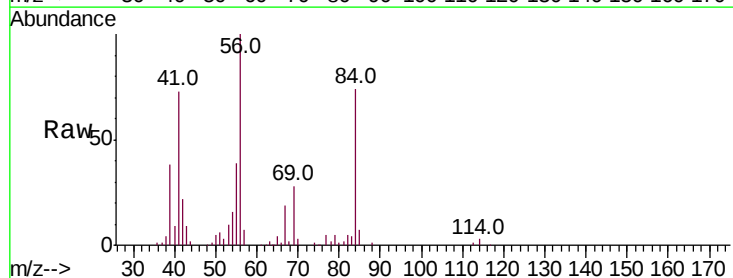
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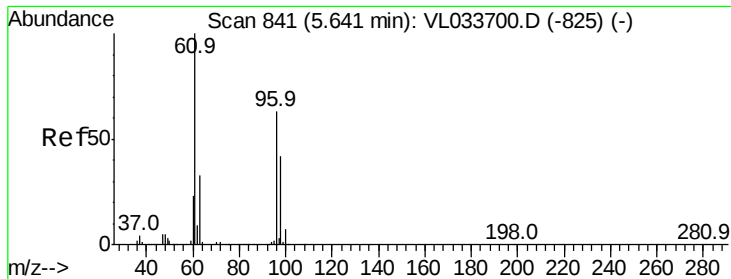
MMDadoda
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#30
Cyclohexane
Concen: 0.921 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033702.D
Acq: 17 May 2019 3:18

Tgt Ion	84	Resp	91200
Ion Ratio	100	Lower	Upper
84	100		
56	136.4	107.7	161.5
41	89.3	66.0	99.0





#31

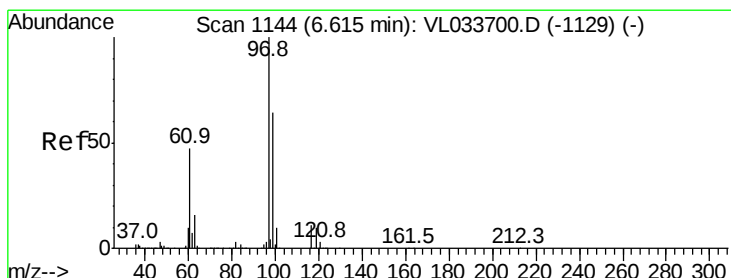
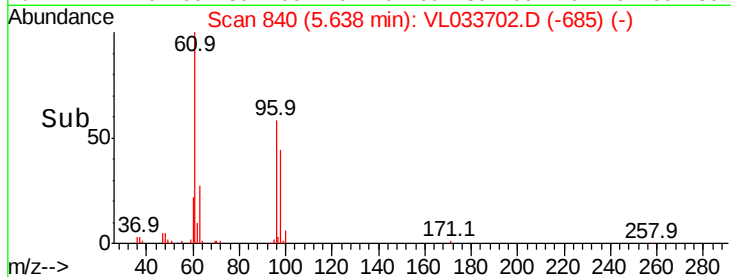
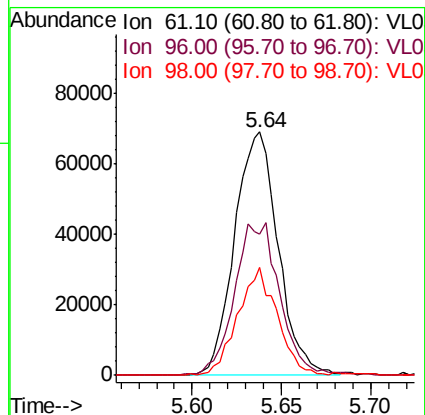
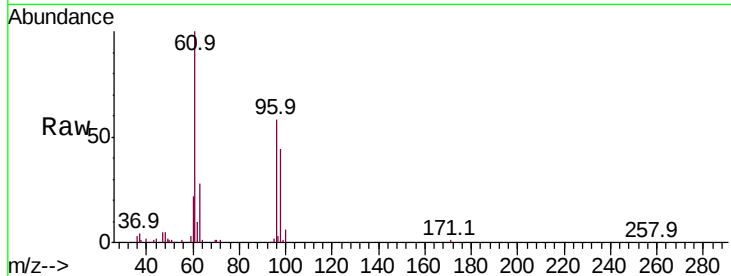
cis-1,2-Dichloroethene
 Concen: 1.009 ppbv
 RT: 5.64 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: VL033702.D
 Acq: 17 May 2019 3:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:	61	Resp:	117629
Ion	Ratio	Lower	Upper
61	100		
96	52.5	50.8	76.2
98	39.8	33.3	49.9

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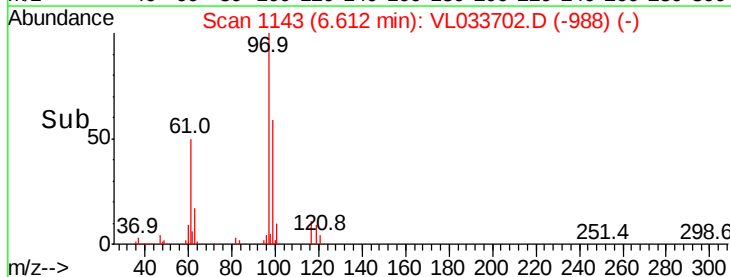
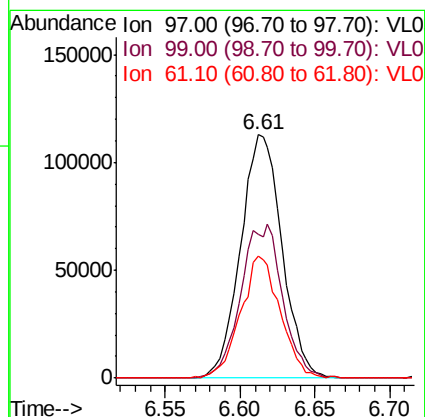
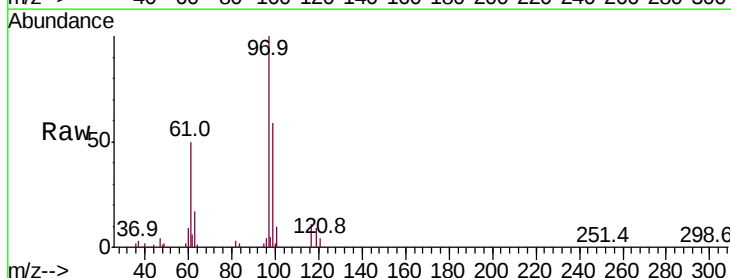
MMDadoda
 5/20/2019 12:05:03 PM

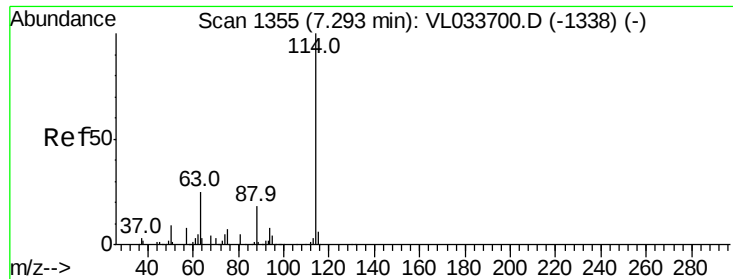


#32

1,1,1-Trichloroethane
 Concen: 0.991 ppbv
 RT: 6.61 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VL033702.D
 Acq: 17 May 2019 3:18

Tgt Ion:	97	Resp:	216908
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.5	77.3
61	48.1	37.8	56.8





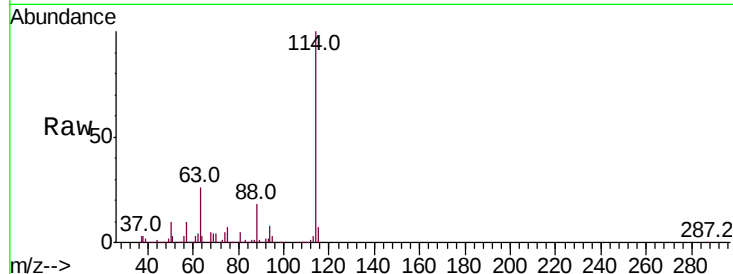
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033702.D
 Acq: 17 May 2019 3:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

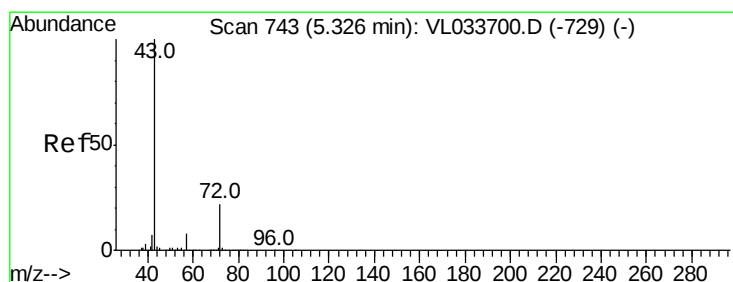
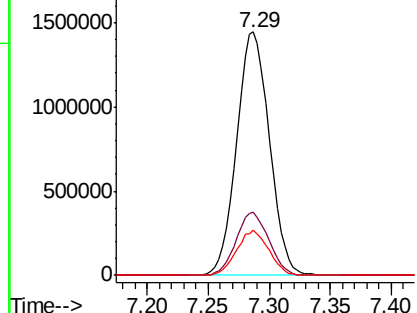
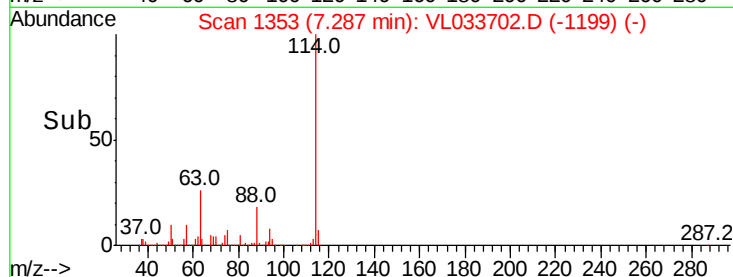
Tot Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.9	31.3
88	18.1	14.3	21.5

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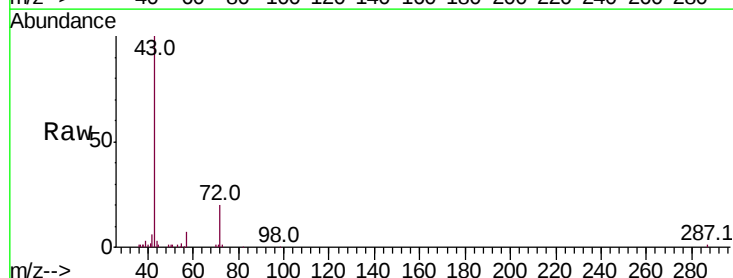


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

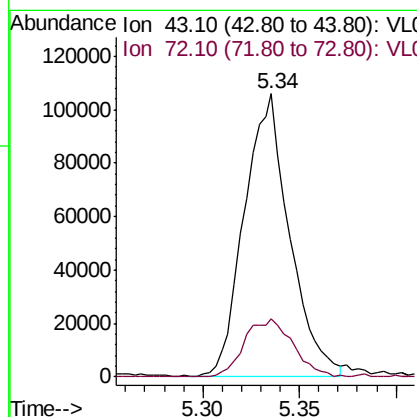
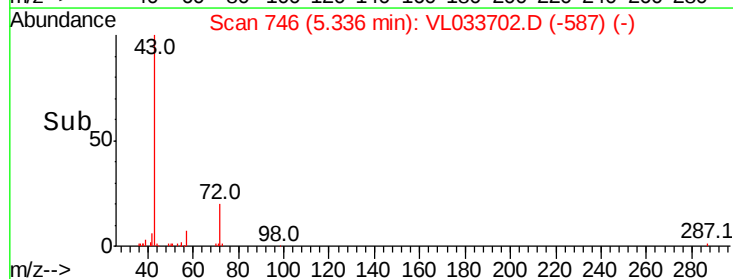


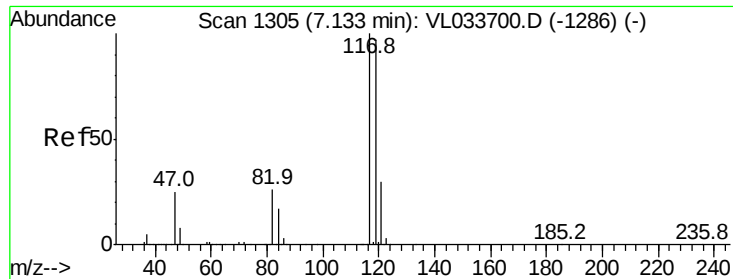
#34
 2-Butanone
 Concen: 1.001 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. 0.01 min
 Lab File: VL033702.D
 Acq: 17 May 2019 3:18

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.8	26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 1.006 ppbv

RT: 7.13 min Scan# 1304

Delta R.T. -0.00 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Instrument :

MSVOA_L

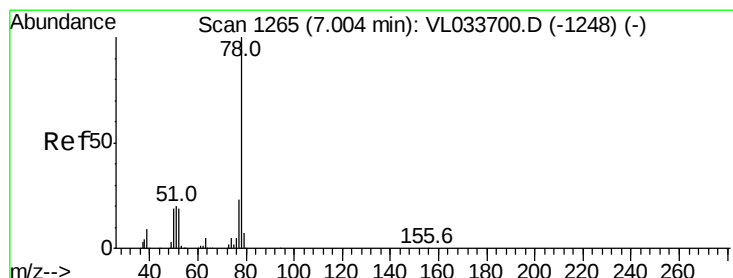
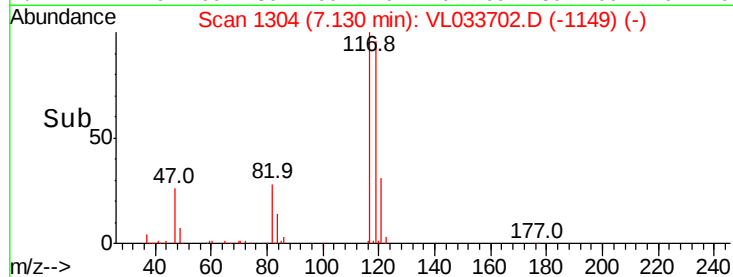
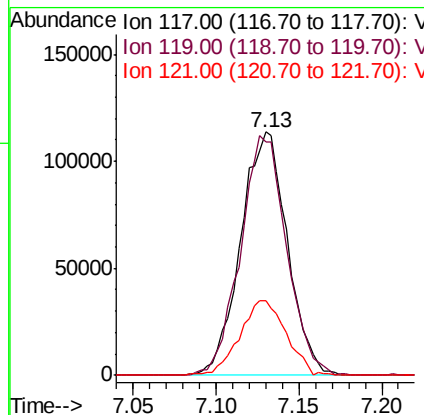
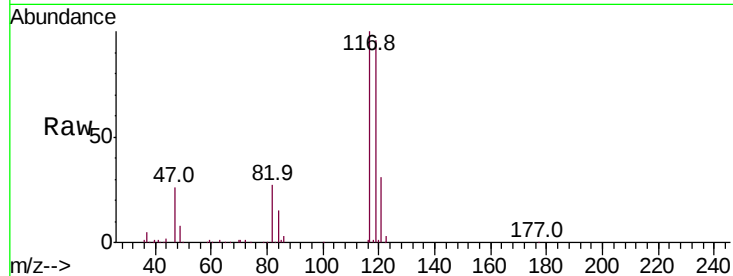
ClientSampled :

VSTDIC001

Tot Ion:	117	Resp:	222572
Ion Ratio	Lower	Upper	
117	100		
119	95.5	77.2	115.8
121	30.3	24.1	36.1

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#36

Benzene

Concen: 0.993 ppbv

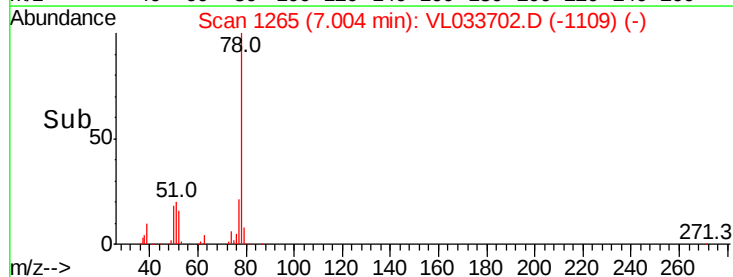
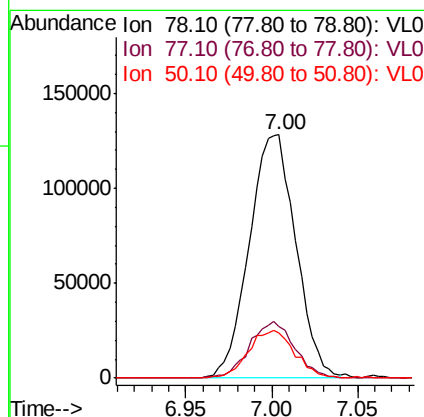
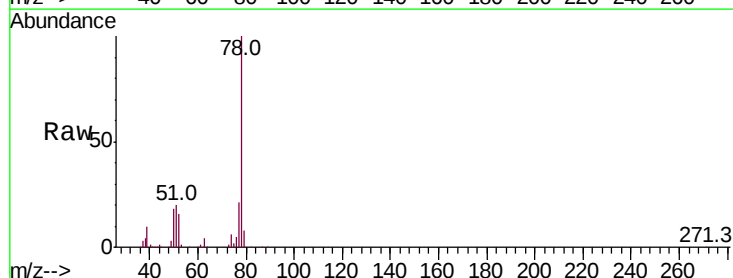
RT: 7.00 min Scan# 1265

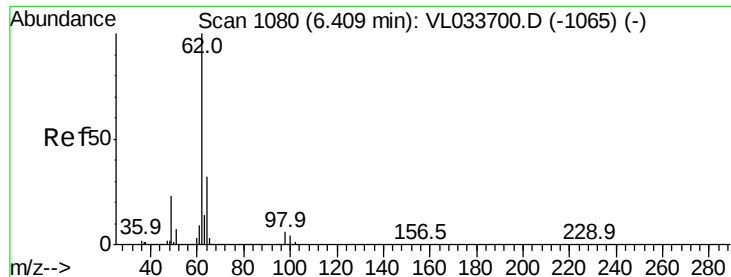
Delta R.T. 0.00 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Tgt Ion:	78	Resp:	241028
Ion Ratio	Lower	Upper	
78	100		
77	21.4	18.4	27.6
50	18.4	15.5	23.3





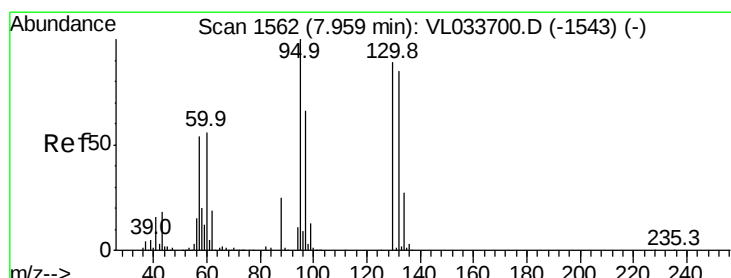
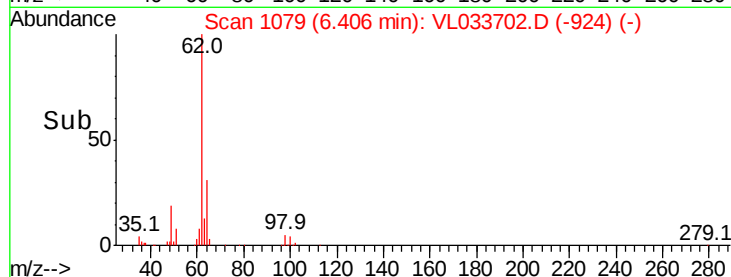
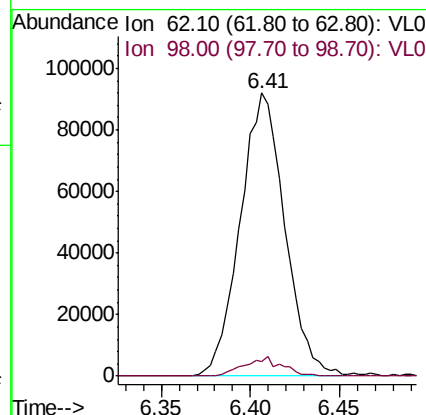
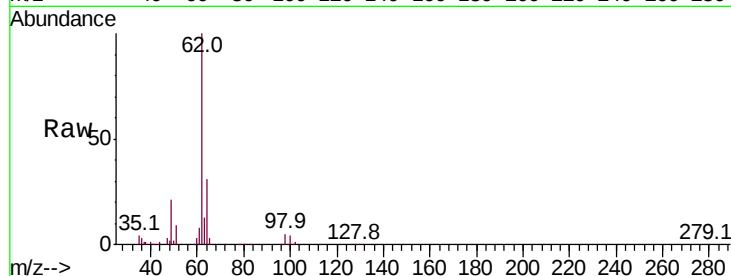
#37
 1,2-Dichloroethane
 Concen: 0.948 ppbv
 RT: 6.41 min Scan# 1079
 Delta R.T. -0.00 min
 Lab File: VL033702.D
 Acq: 17 May 2019 3:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	160478		
98	5.7	4.5	6.7	

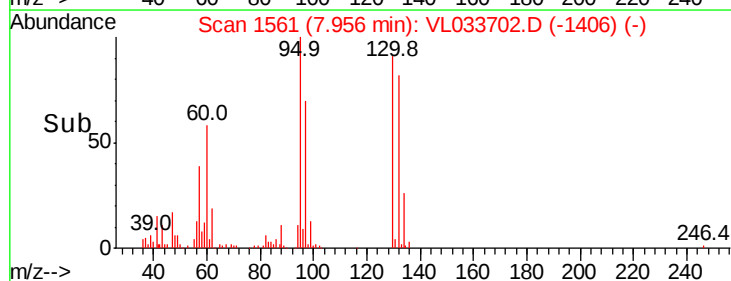
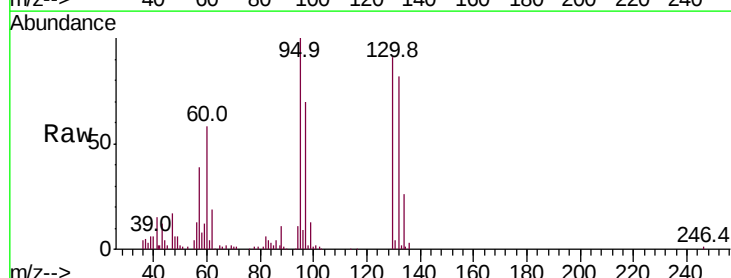
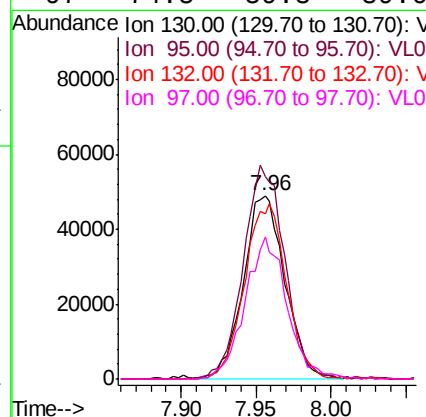
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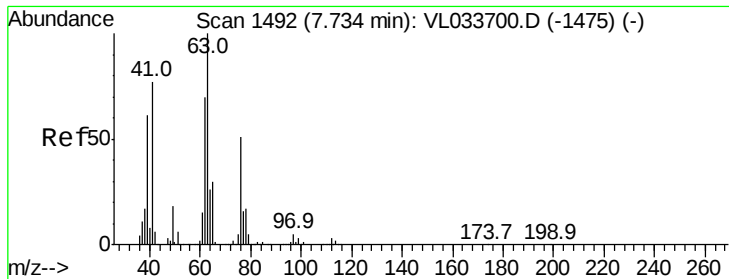
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#38
 Trichloroethene
 Concen: 1.069 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VL033702.D
 Acq: 17 May 2019 3:18

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	94715		
95	105.1	90.2	135.4	
132	88.4	76.4	114.6	
97	74.5	59.8	89.6	





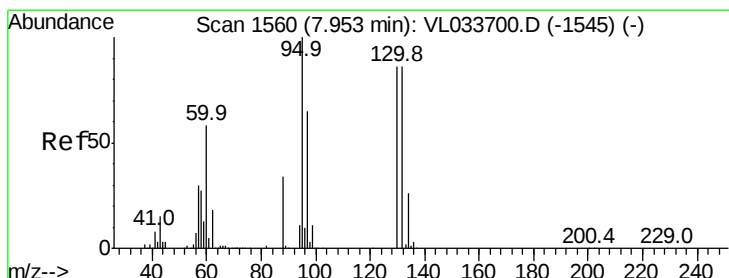
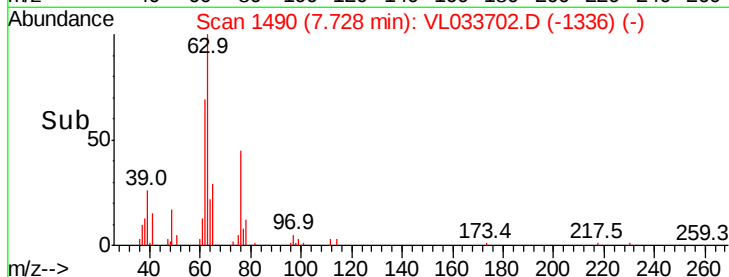
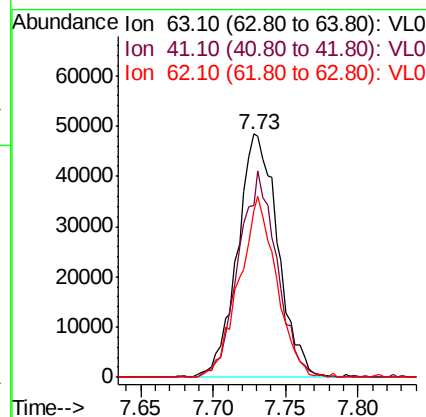
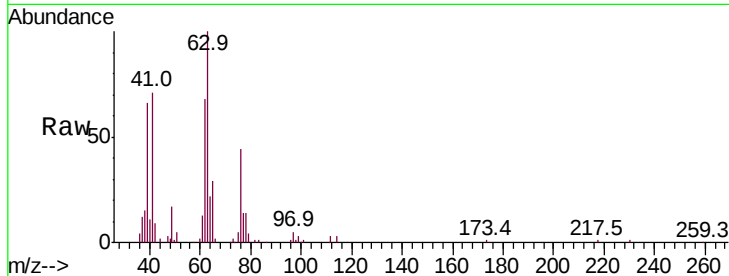
#39
 1,2-Dichloropropane
 Concen: 1.032 ppbv
 RT: 7.73 min Scan# 1490
 Delta R.T. -0.01 min
 Lab File: VL033702.D
 Acq: 17 May 2019 3:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
41	70.5	61.5	92.3
62	68.3	56.2	84.4

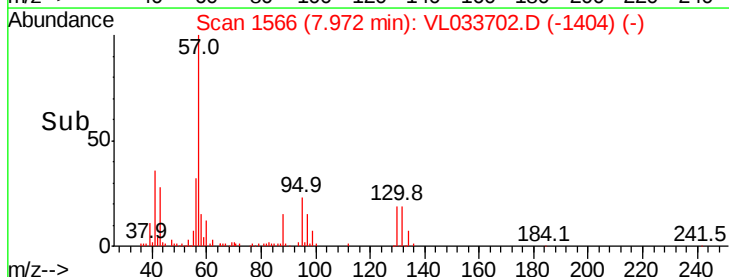
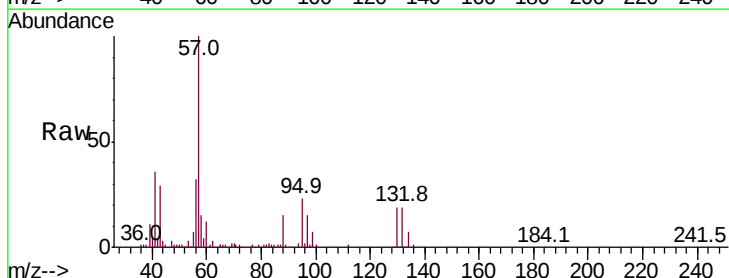
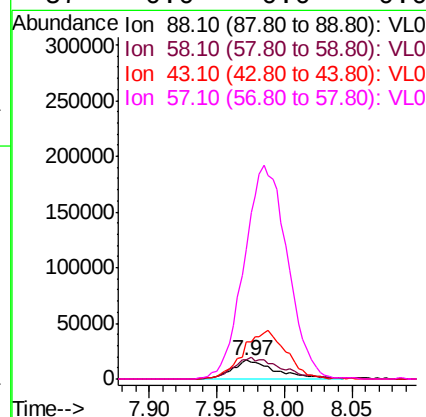
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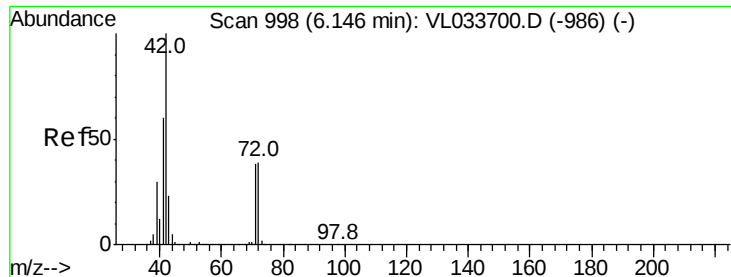
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#40
 1,4-Dioxane
 Concen: 1.054 ppbv m
 RT: 7.97 min Scan# 1566
 Delta R.T. 0.02 min
 Lab File: VL033702.D
 Acq: 17 May 2019 3:18

Tgt Ion	Ratio	Lower	Upper
88	100		
58	127.3	101.8	152.6
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 0.982 ppbv

RT: 6.16 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Instrument :

MSVOA_L

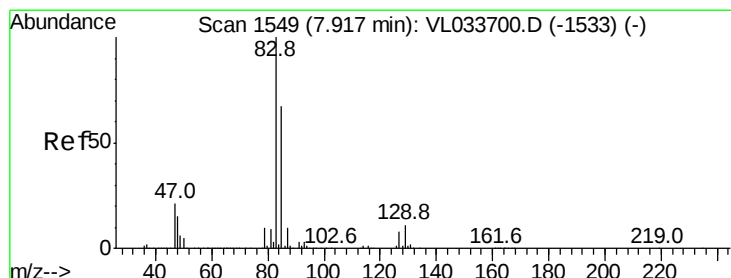
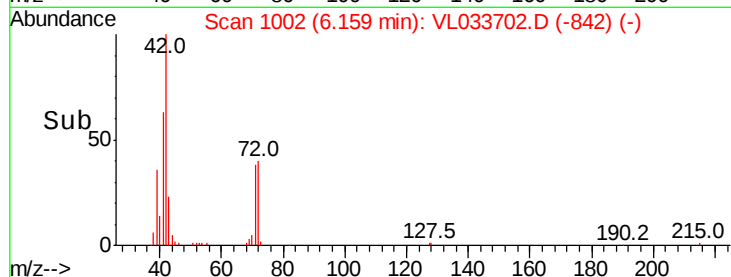
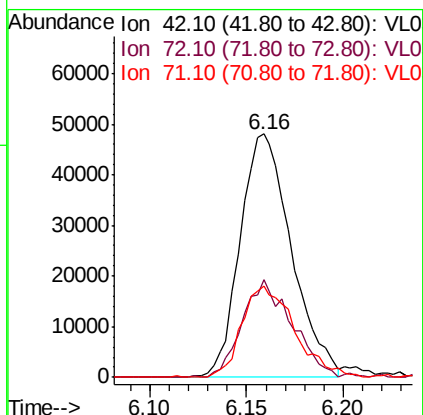
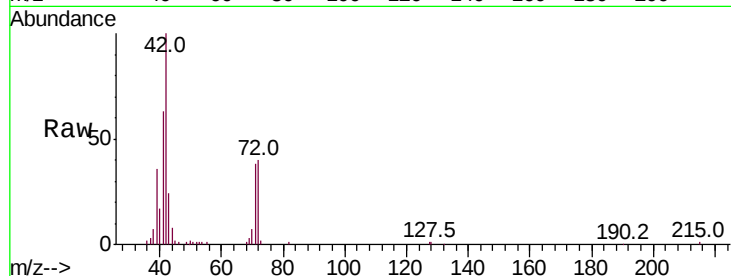
ClientSampleId :

VSTDIC001

Tot Ion:	42	Resp:	88596
Ion	Ratio	Lower	Upper
42	100		
72	39.5	32.0	48.0
71	38.9	30.4	45.6

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#42

Bromodichloromethane

Concen: 0.990 ppbv

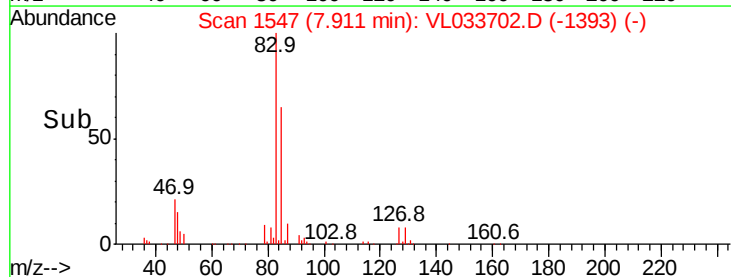
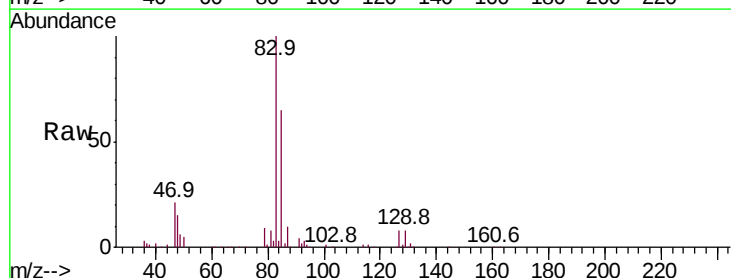
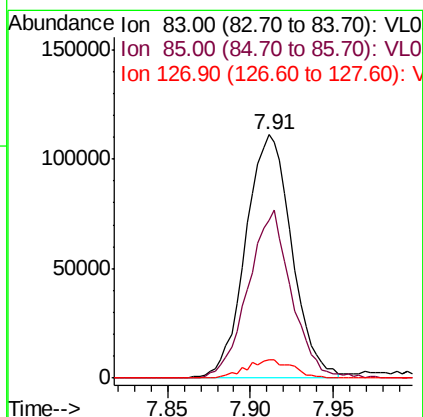
RT: 7.91 min Scan# 1547

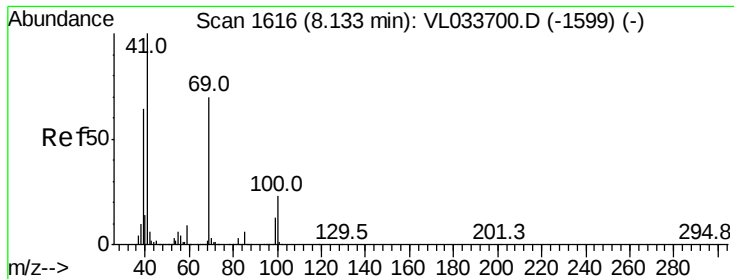
Delta R.T. -0.01 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Tgt Ion:	83	Resp:	215302
Ion	Ratio	Lower	Upper
83	100		
85	64.9	53.3	79.9
127	7.7	6.5	9.7





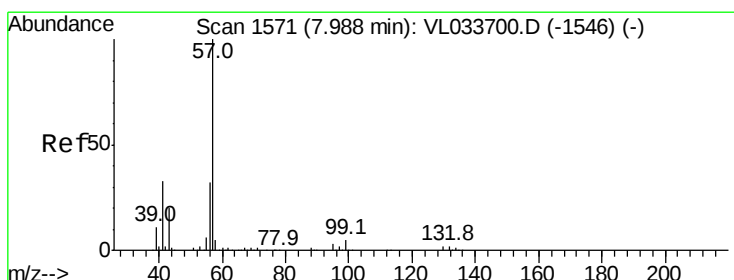
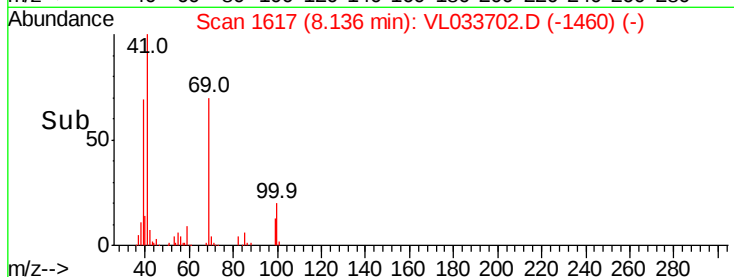
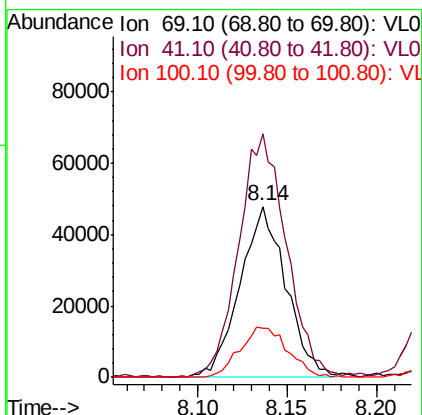
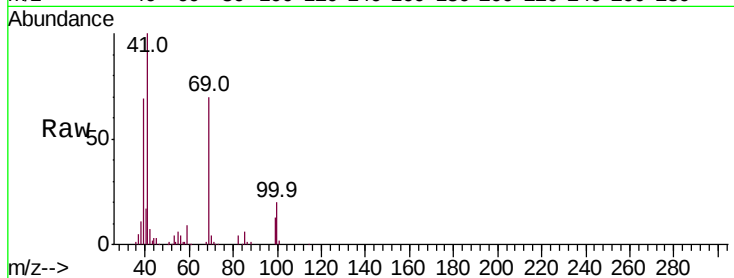
#43
Methyl Methacrylate
Concen: 0.947 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VL033702.D
Acq: 17 May 2019 3:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	148.2	116.3	174.5
100	30.6	25.3	37.9

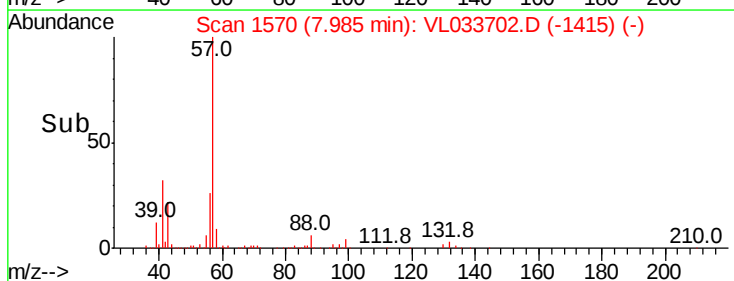
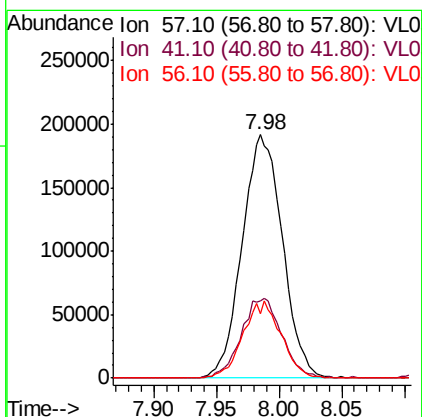
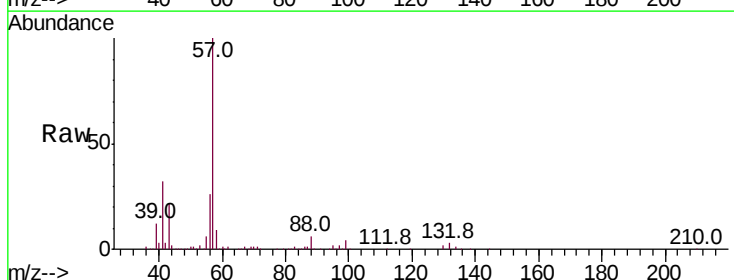
Manual Integrations
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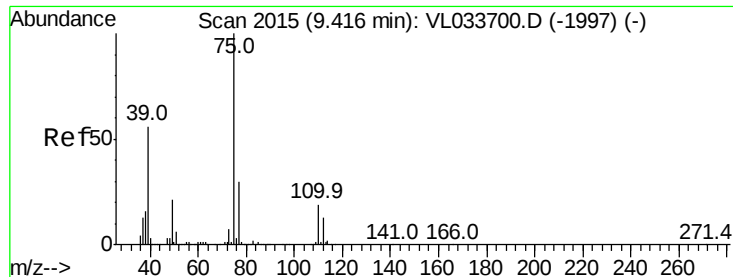
MMDadoda
5/20/2019 12:05:03 PM



#44
2,2,4-Trimethylpentane
Concen: 1.032 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033702.D
Acq: 17 May 2019 3:18

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.1	25.4	38.0
56	29.9	24.7	37.1





#45

t-1,3-Dichloropropene

Concen: 0.866 ppbv

RT: 9.41 min Scan# 2014

Delta R.T. -0.00 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 97454

Ion Ratio Lower Upper

75 100

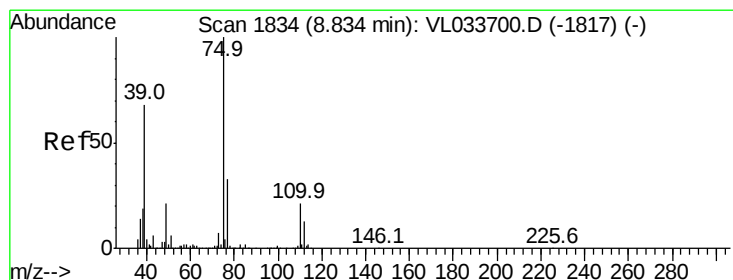
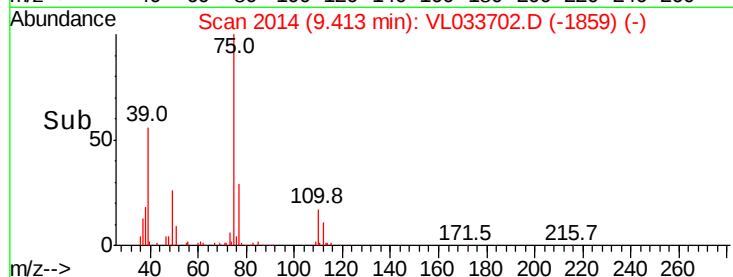
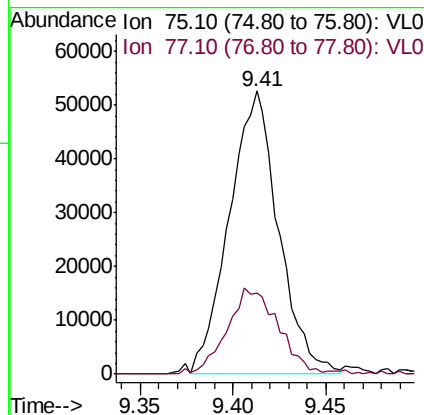
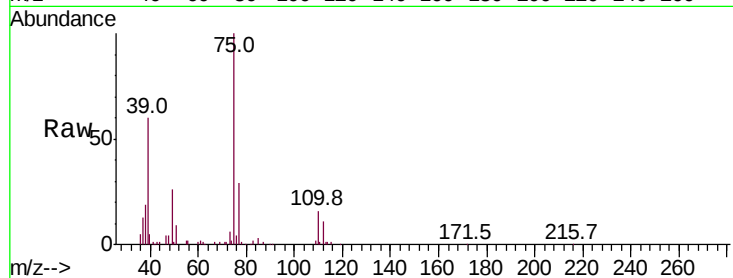
77 28.7 24.4 36.6

Manual Integrations

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#46

cis-1,3-Dichloropropene

Concen: 0.861 ppbv

RT: 8.83 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

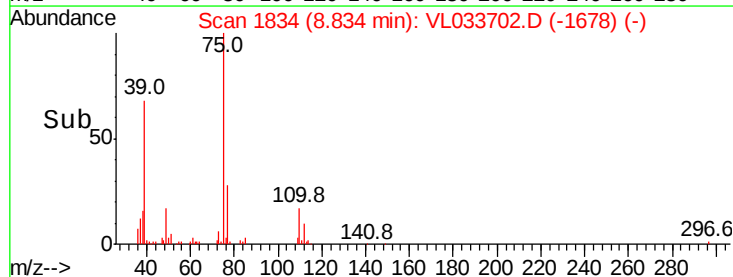
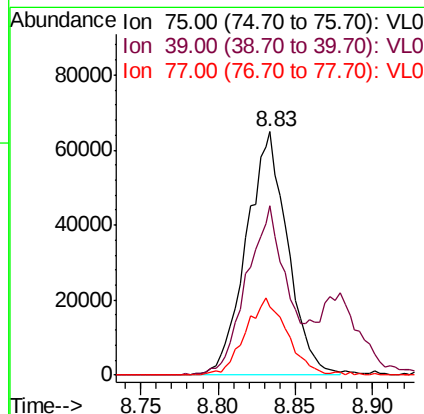
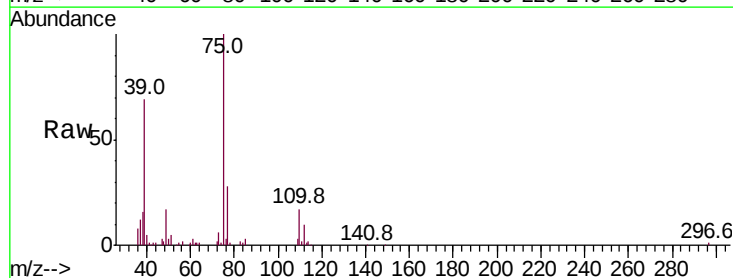
Tgt Ion: 75 Resp: 120494

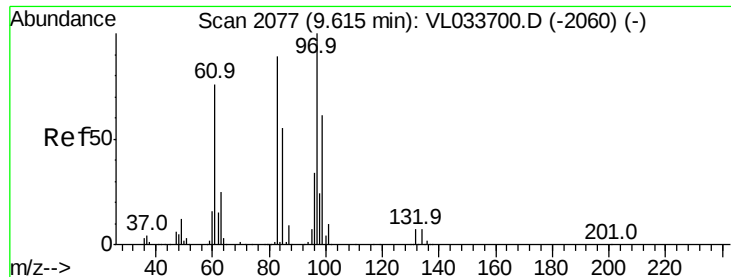
Ion Ratio Lower Upper

75 100

39 69.4 54.4 81.6

77 28.0 26.6 39.8





#47

1,1,2-Trichloroethane

Concen: 1.014 ppbv

RT: 9.61 min Scan# 2074

Delta R.T. -0.01 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 97 Resp: 105441

Ion Ratio Lower Upper

97 100

83 75.2 70.8 106.2

85 57.5 43.7 65.5

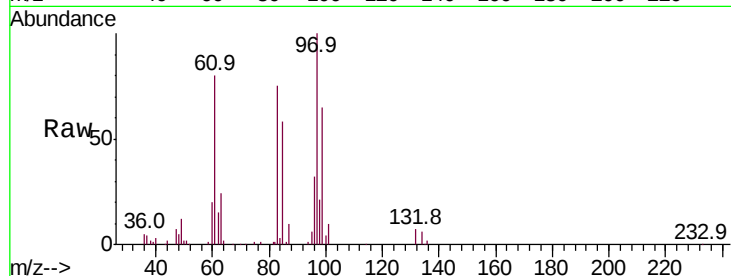
99 64.4 48.7 73.1

Manual Integrations

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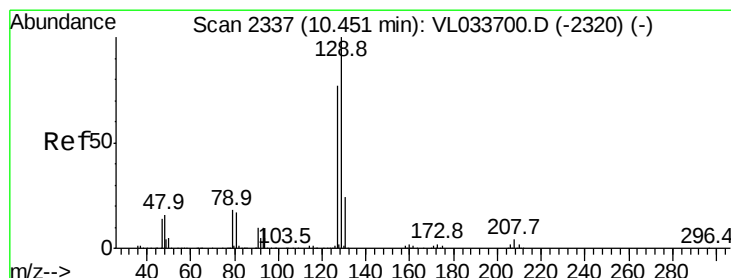
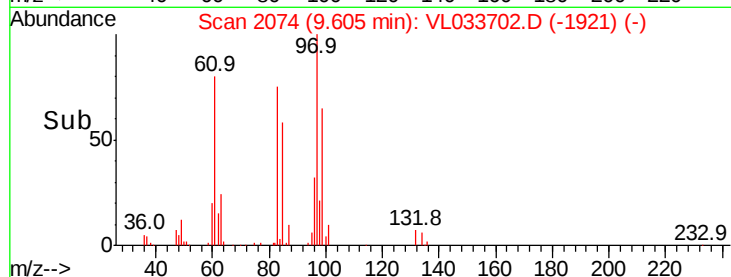
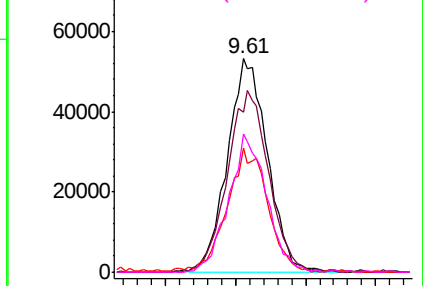


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 0.978 ppbv

RT: 10.44 min Scan# 2335

Delta R.T. -0.01 min

Lab File: VL033702.D

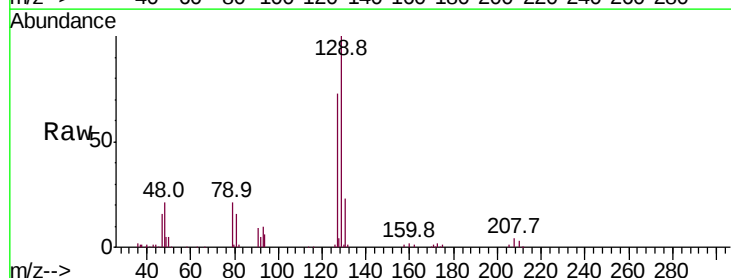
Acq: 17 May 2019 3:18

Tgt Ion: 129 Resp: 172771

Ion Ratio Lower Upper

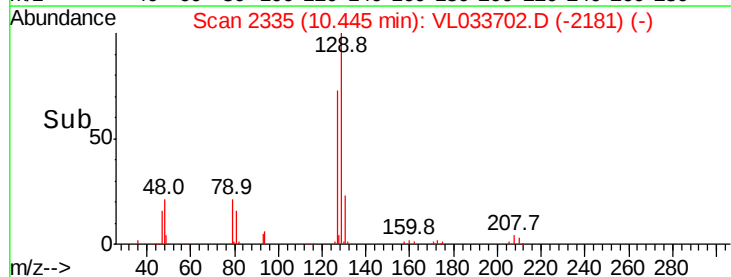
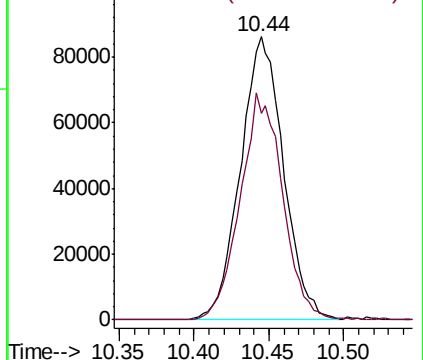
129 100

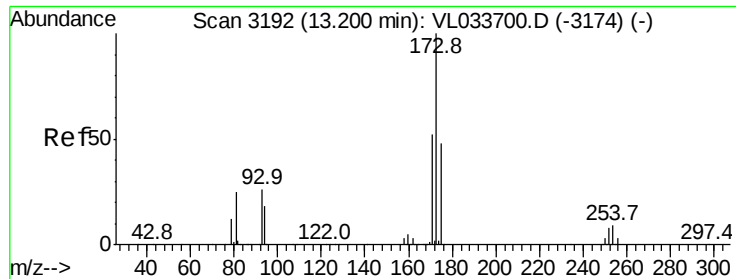
127 78.8 38.6 116.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.941 ppbv

RT: 13.19 min Scan# 3190

Delta R.T. -0.01 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Instrument :

MSVOA_L

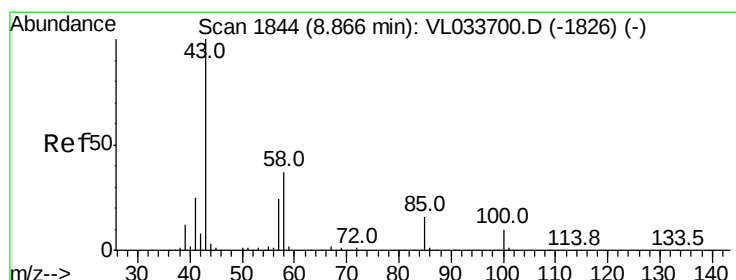
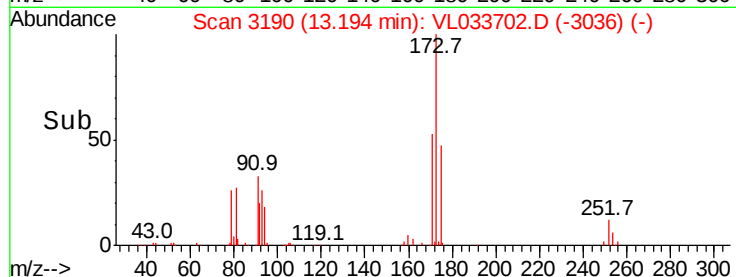
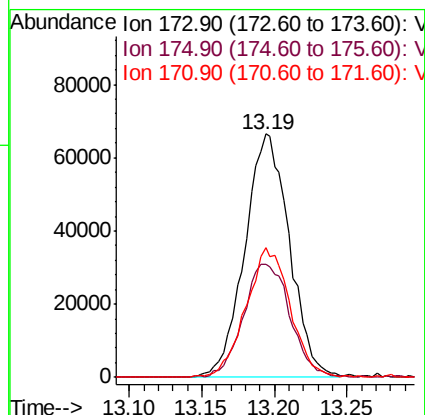
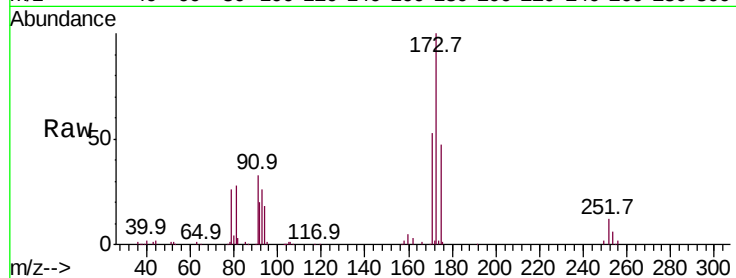
ClientSampleId :

VSTDIC001

Tot Ion:	173	Resp:	142150
Ion Ratio	Lower	Upper	
173	100		
175	49.0	38.6	58.0
171	52.8	41.5	62.3

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#50

4-Methyl-2-Pentanone

Concen: 0.998 ppbv

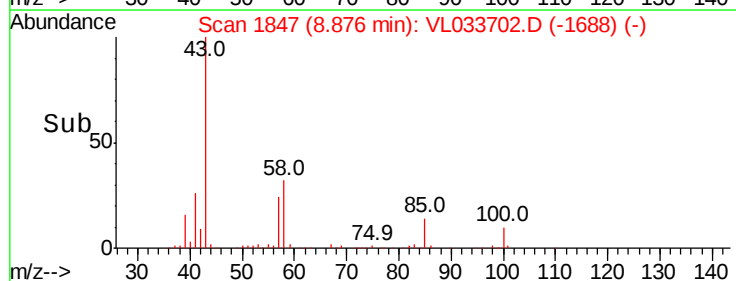
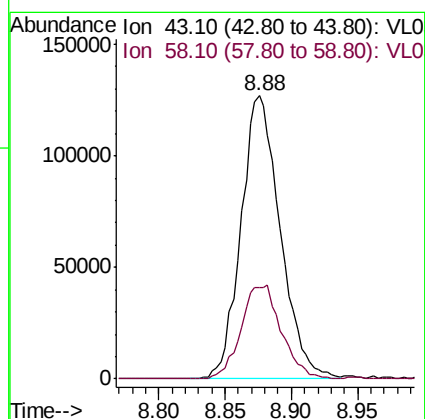
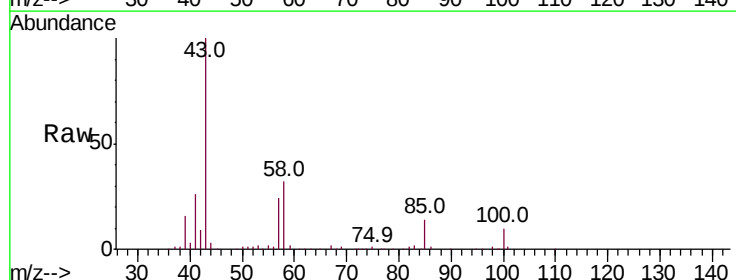
RT: 8.88 min Scan# 1847

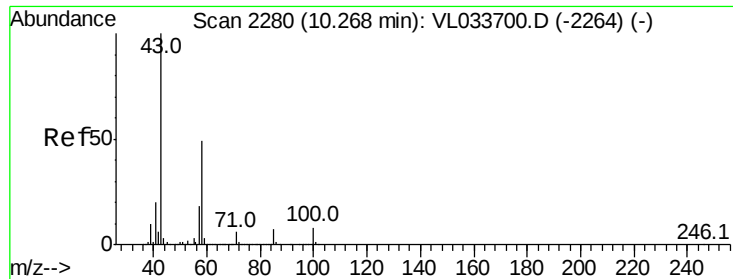
Delta R.T. 0.01 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Tgt Ion:	43	Resp:	260869
Ion Ratio	Lower	Upper	
43	100		
58	34.3	28.6	43.0





#51

2-Hexanone

Concen: 0.933 ppbv

RT: 10.28 min Scan# 2284

Delta R.T. 0.01 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Instrument :

MSVOA_L

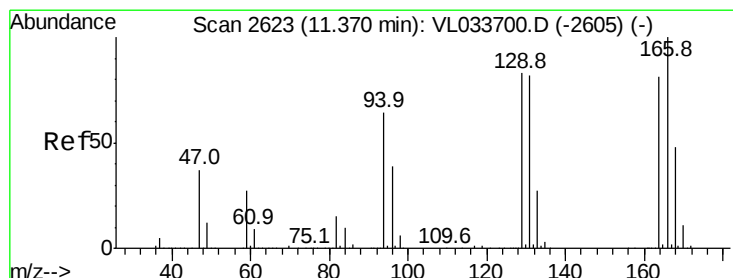
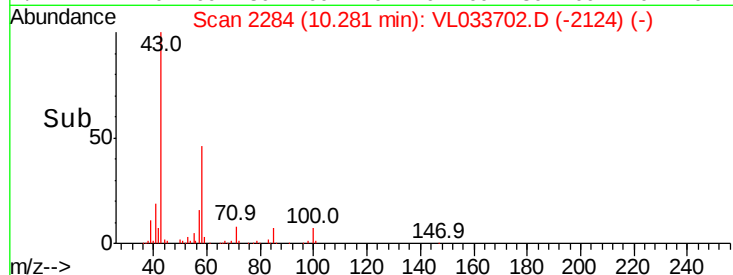
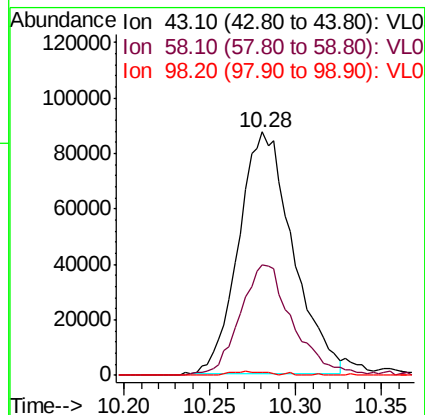
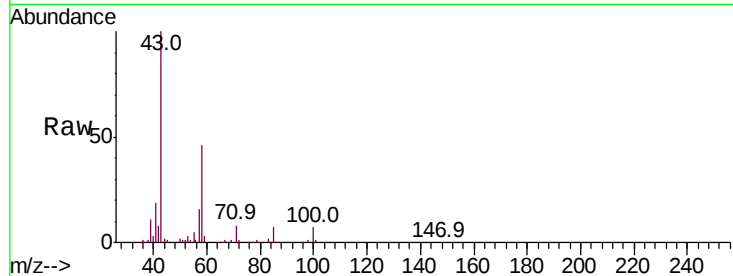
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	190014
Ion Ratio	Lower	Upper	
43	100		
58	45.1	38.7	58.1
98	1.3	0.2	0.4

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#52

Tetrachloroethene

Concen: 1.021 ppbv m

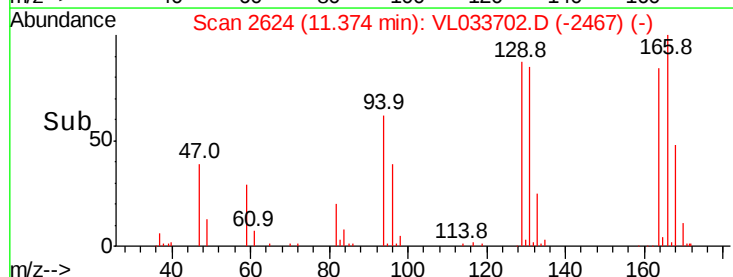
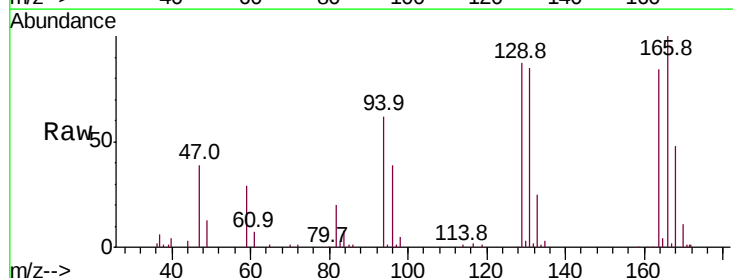
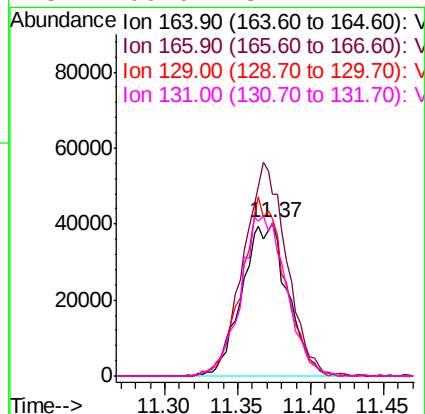
RT: 11.37 min Scan# 2624

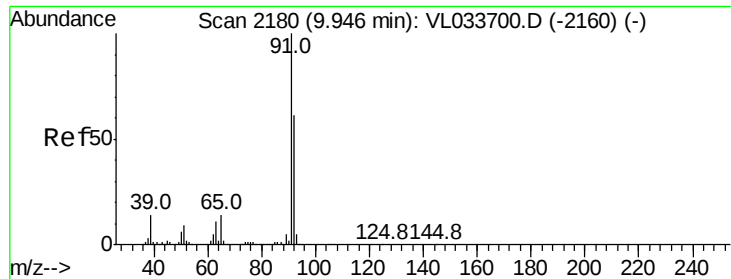
Delta R.T. 0.00 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Tgt Ion:	164	Resp:	87940
Ion Ratio	Lower	Upper	
164	100		
166	119.0	98.9	148.3
129	103.1	81.8	122.6
131	100.9	81.1	121.7





#53

Toluene

Concen: 0.967 ppbv

RT: 9.94 min Scan# 2178

Delta R.T. -0.01 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 254592

Ion Ratio Lower Upper

91 100

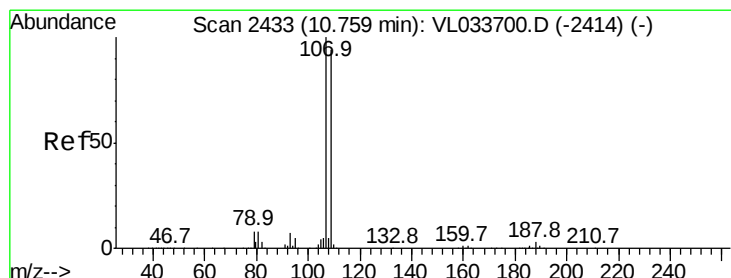
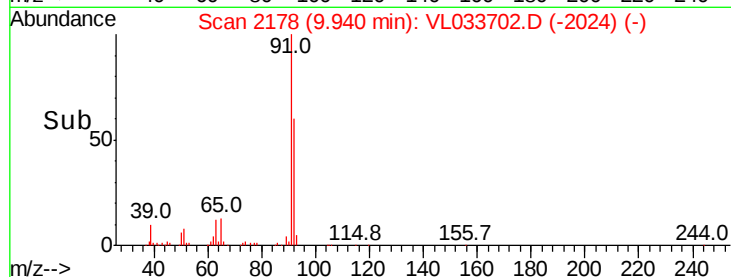
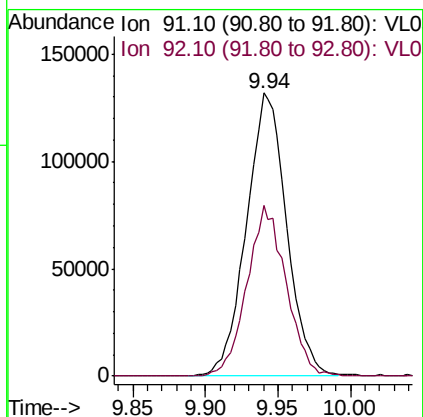
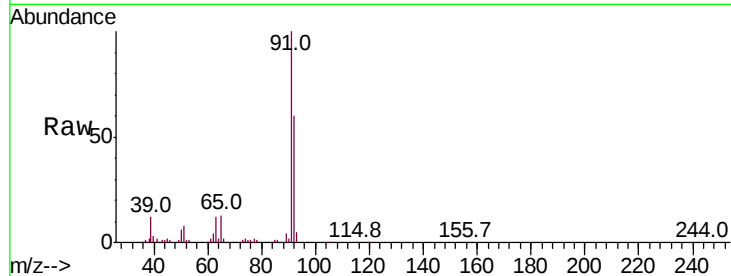
92 58.4 47.6 71.4

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#54

1,2-Dibromoethane

Concen: 0.996 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. -0.00 min

Lab File: VL033702.D

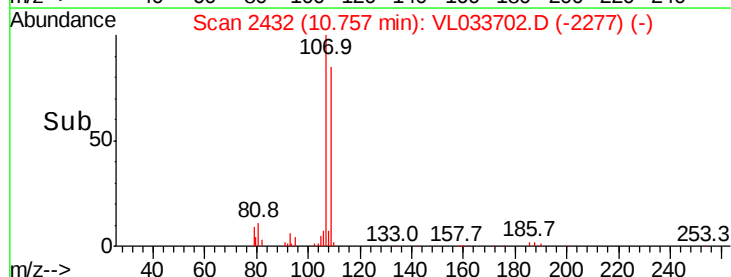
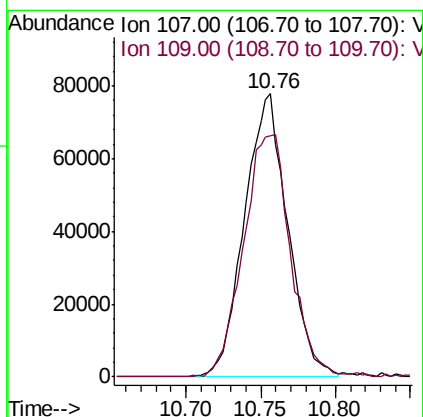
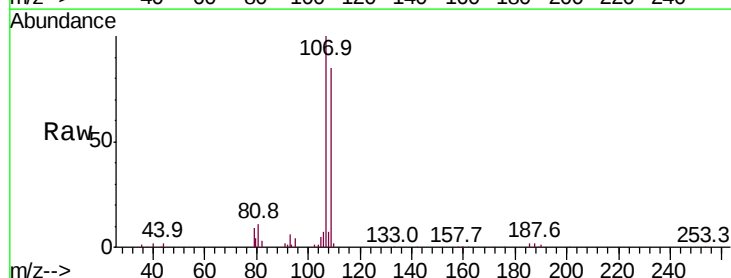
Acq: 17 May 2019 3:18

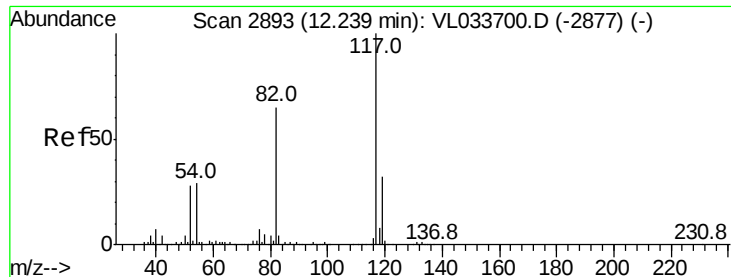
Tgt Ion: 107 Resp: 156387

Ion Ratio Lower Upper

107 100

109 85.4 75.2 112.8





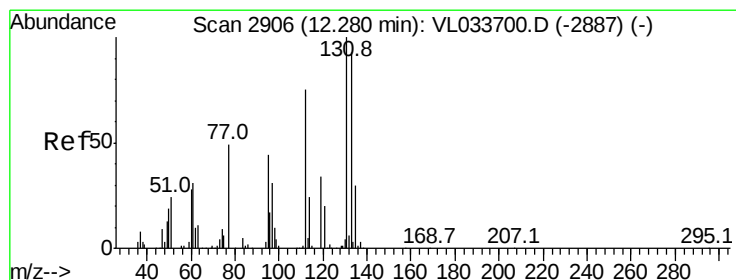
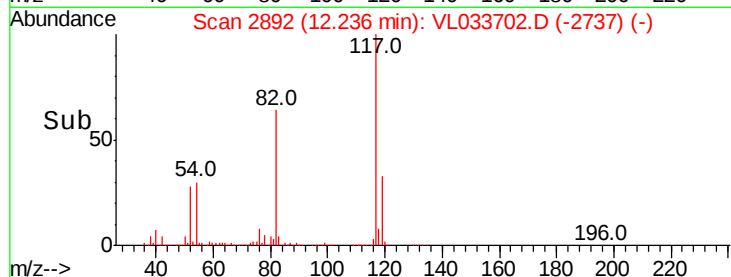
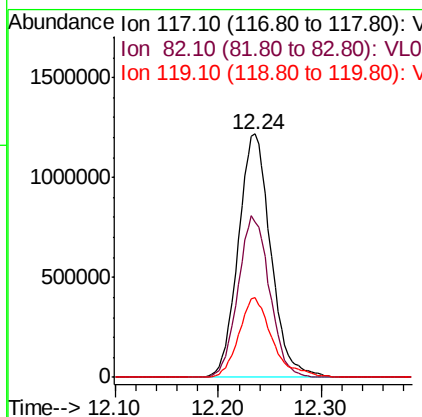
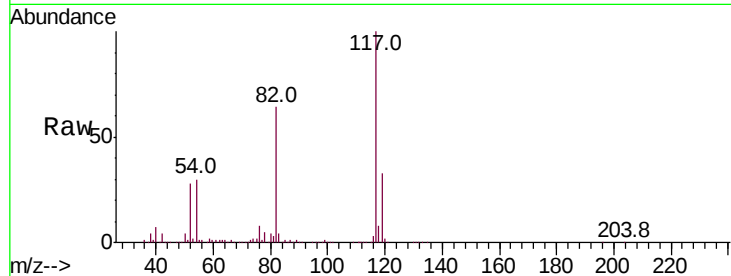
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033702.D
Acq: 17 May 2019 3:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.7	49.4	74.0
119	33.9	24.9	37.3

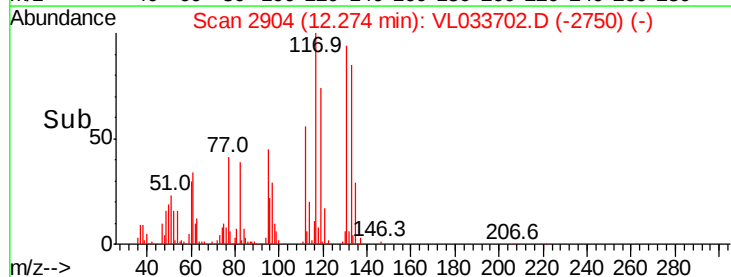
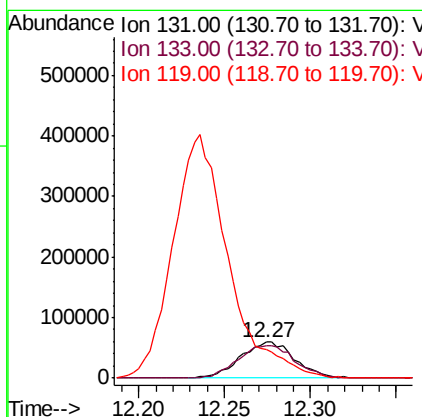
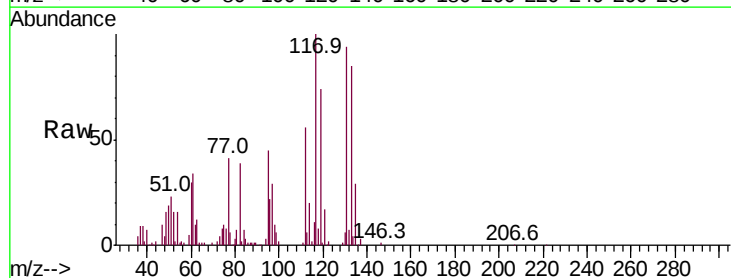
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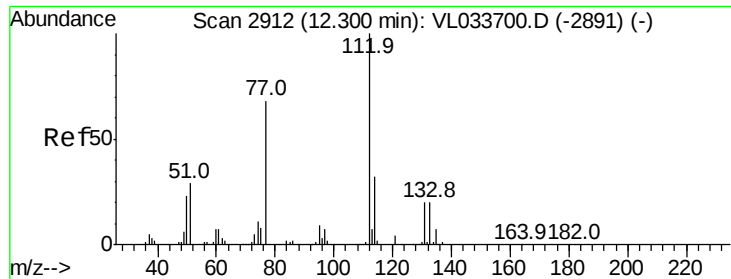
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 1.019 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033702.D
Acq: 17 May 2019 3:18

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.3	76.6	114.8
119	716.3	49.0	73.4#





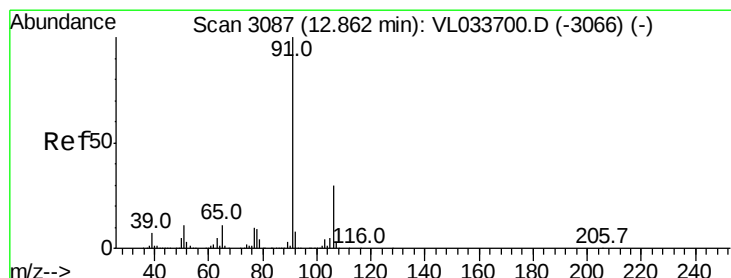
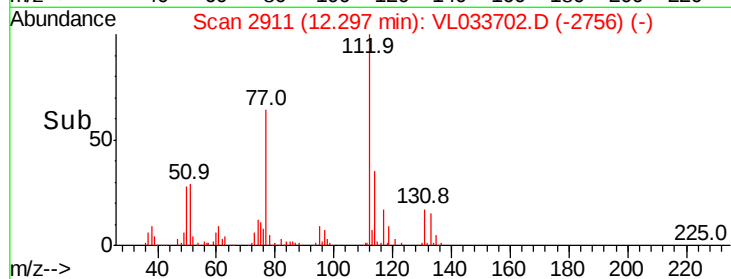
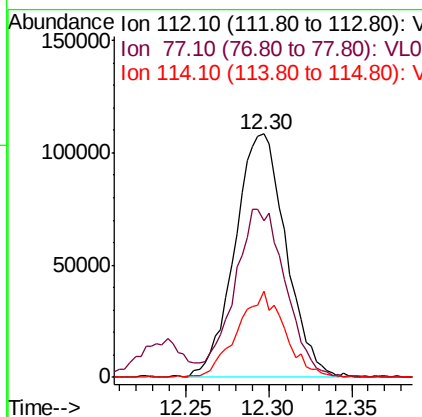
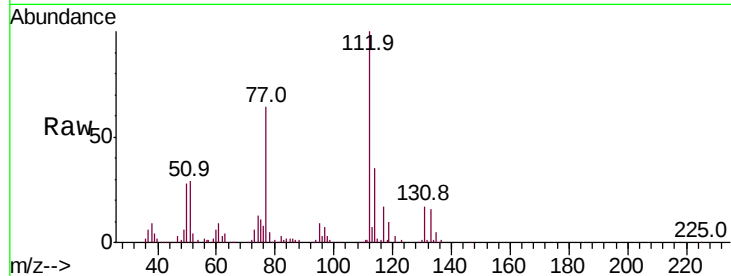
#57
Chlorobenzene
Concen: 1.048 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL033702.D
Acq: 17 May 2019 3:18

Instrument :
MSVOA_L
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
112	100		
77	62.8	55.4	83.0
114	36.8	29.3	35.8#

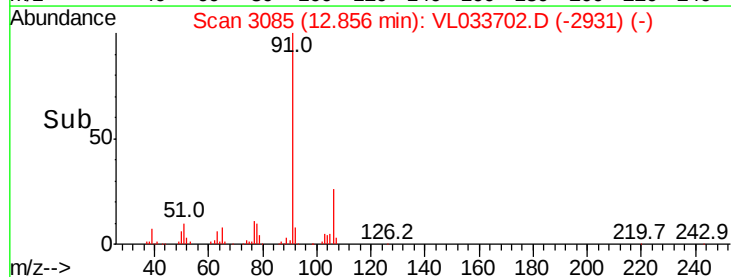
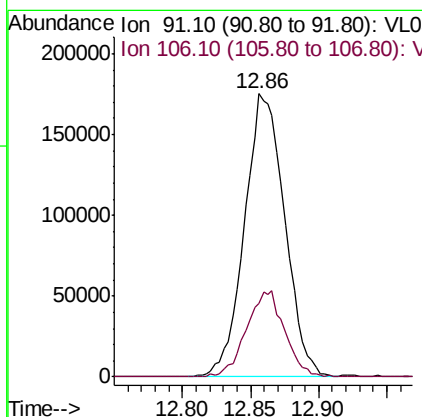
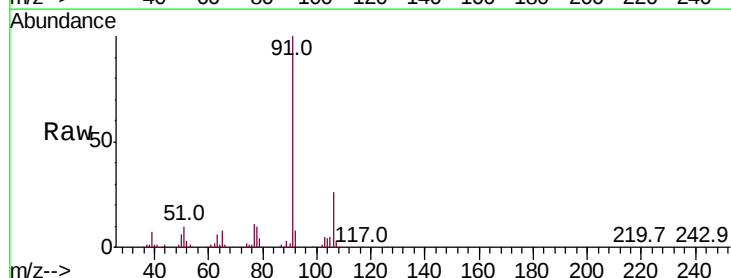
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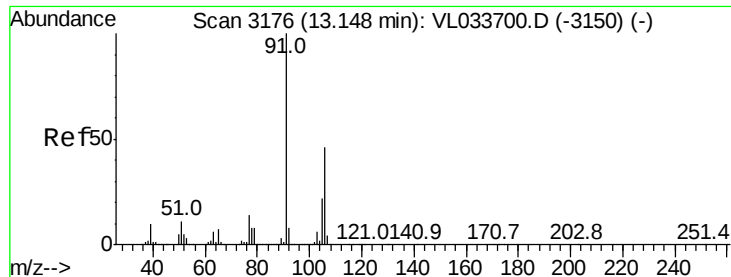
MMDadoda
5/20/2019 12:05:03 PM



#58
Ethyl Benzene
Concen: 1.021 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033702.D
Acq: 17 May 2019 3:18

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
106	26.1	23.9	35.9





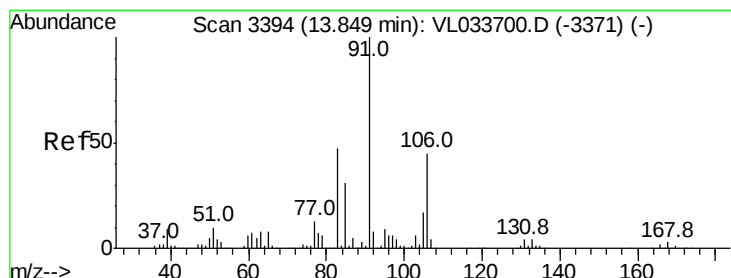
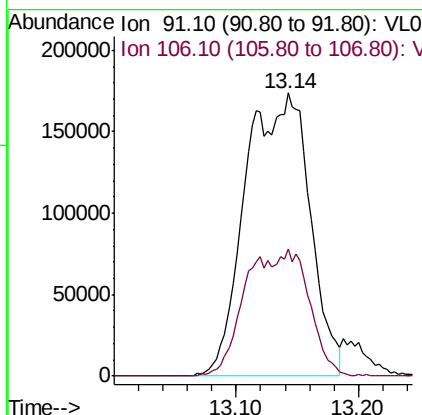
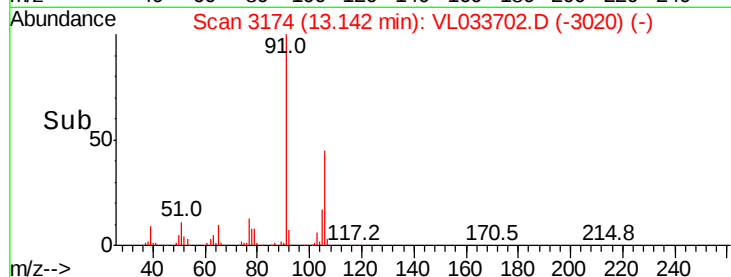
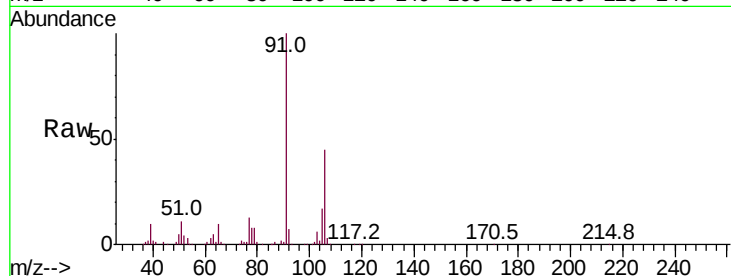
#59
m/p-Xylene
Concen: 2.049 ppbv m
RT: 13.14 min Scan# 3174
Delta R.T. -0.01 min
Lab File: VL033702.D
Acq: 17 May 2019 3:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
106	44.4	35.8	53.6

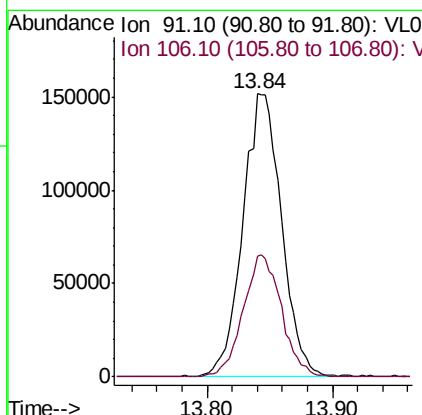
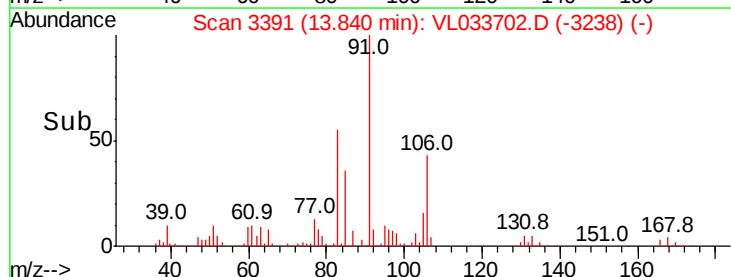
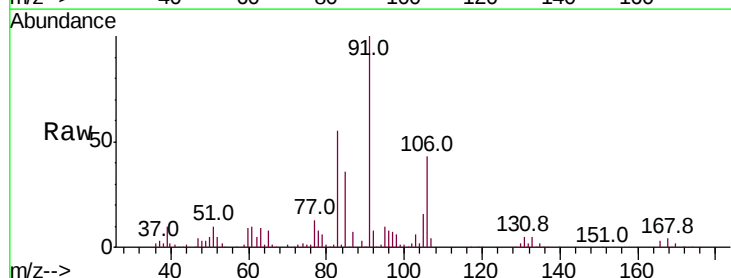
Manual Integrations
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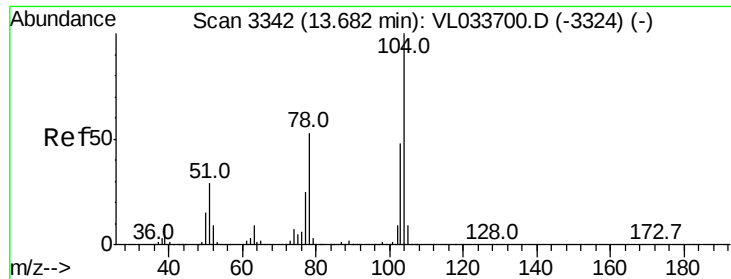
MMDadoda
5/20/2019 12:05:03 PM



#60
o-Xylene
Concen: 1.036 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033702.D
Acq: 17 May 2019 3:18

Tgt Ion	Ratio	Lower	Upper
91	100		
106	42.7	21.6	64.8





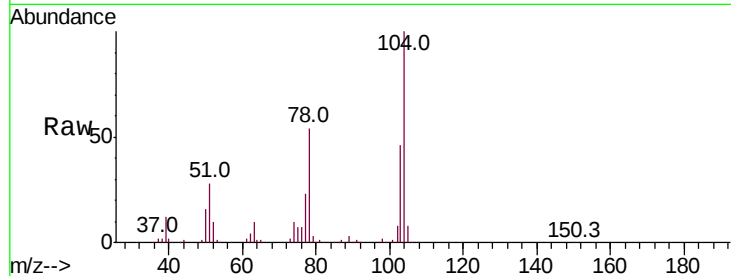
#61
Stvrene
Concen: 0.970 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VL033702.D
Acq: 17 May 2019 3:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

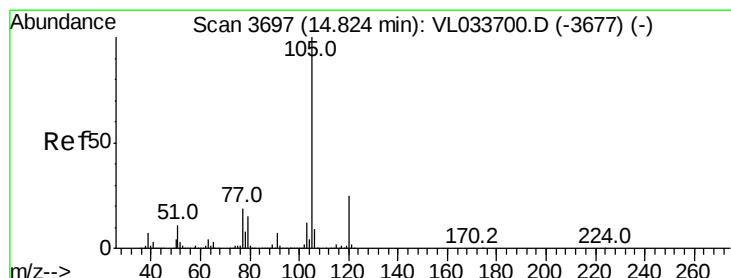
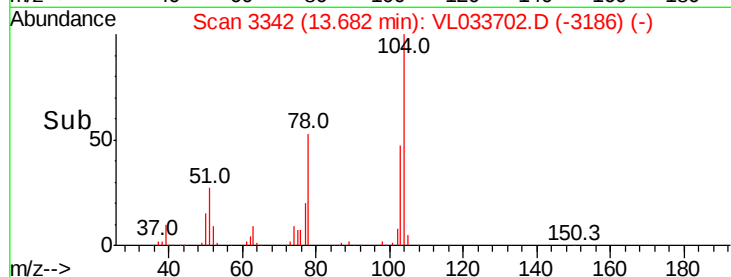
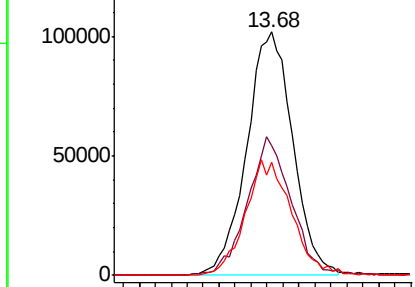
Tot Ion	Ratio	Lower	Upper
104	100		
78	54.3	42.6	64.0
103	47.3	37.8	56.6

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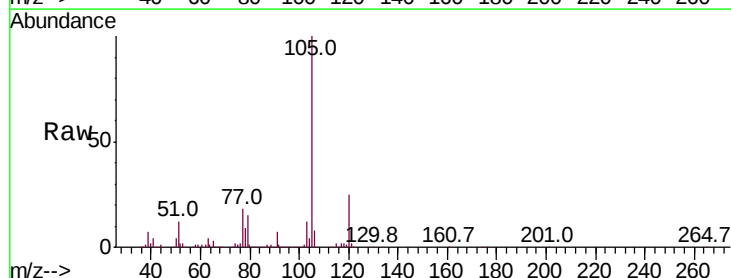


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

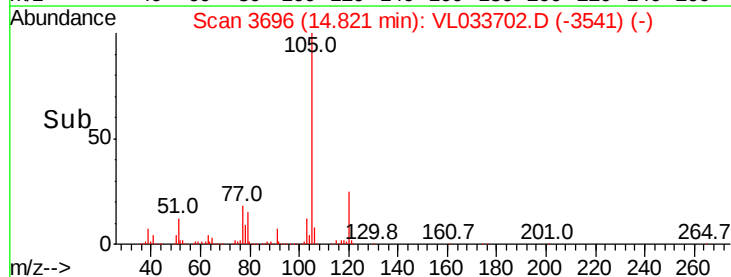
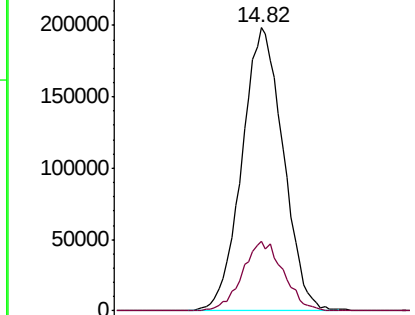


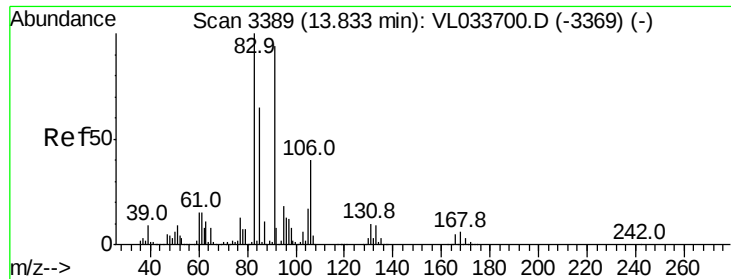
#62
Isopropylbenzene
Concen: 1.004 ppbv
RT: 14.82 min Scan# 3696
Delta R.T. -0.00 min
Lab File: VL033702.D
Acq: 17 May 2019 3:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.4	20.1	30.1



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





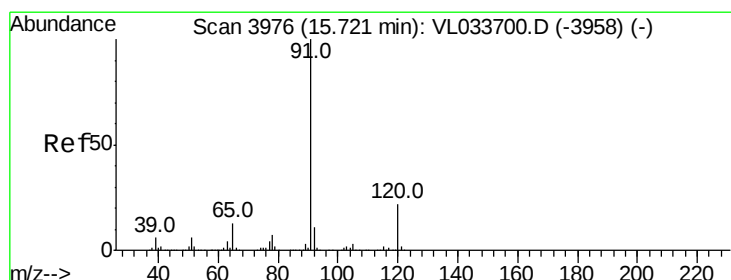
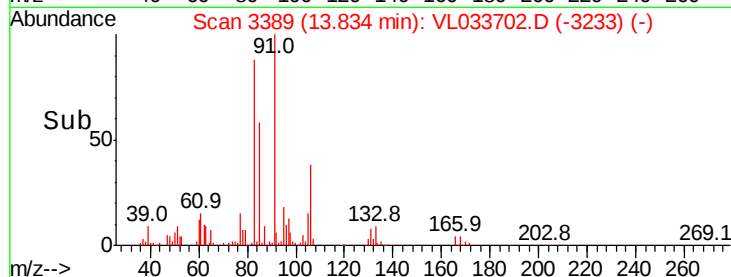
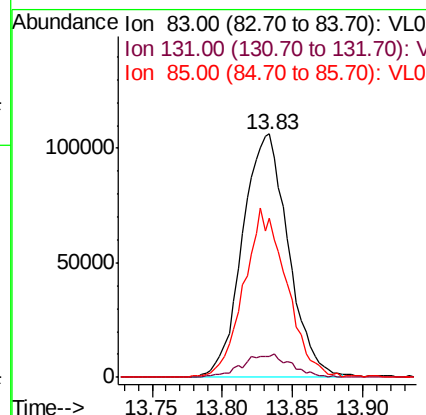
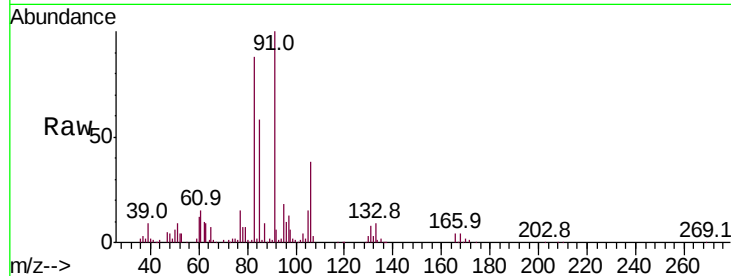
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.066 ppbv
 RT: 13.83 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VL033702.D
 Acq: 17 May 2019 3:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.8	14.3
85	65.4	32.3	96.9

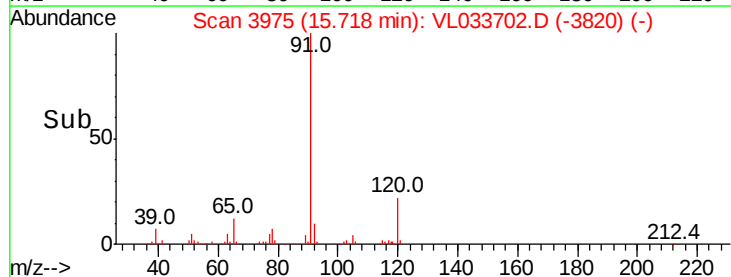
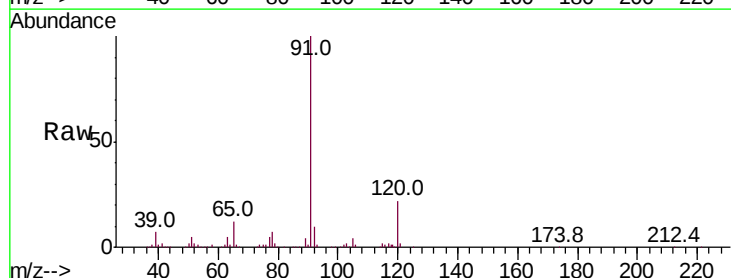
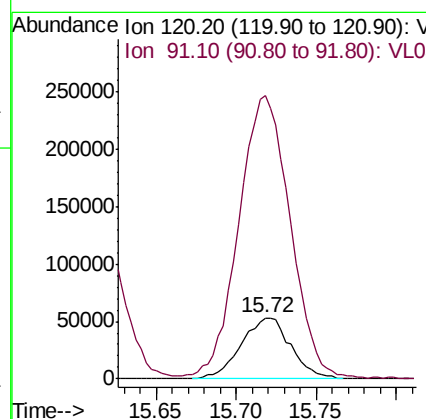
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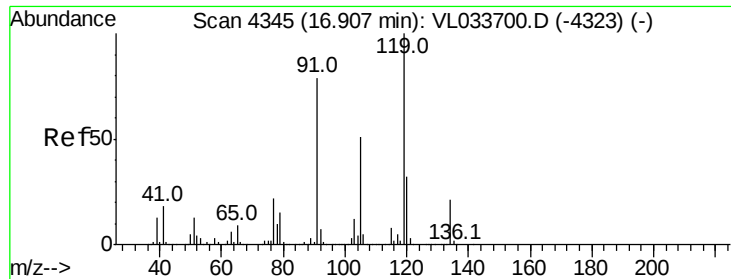
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#64
 n-propylbenzene
 Concen: 1.024 ppbv
 RT: 15.72 min Scan# 3975
 Delta R.T. -0.00 min
 Lab File: VL033702.D
 Acq: 17 May 2019 3:18

Tgt Ion	Ratio	Lower	Upper
120	100		
91	484.8	379.1	568.7





#65

tert-Butylbenzene

Concen: 1.012 ppbv

RT: 16.90 min Scan# 4343

Delta R.T. -0.01 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 119 Resp: 396198
Ion Ratio Lower Upper

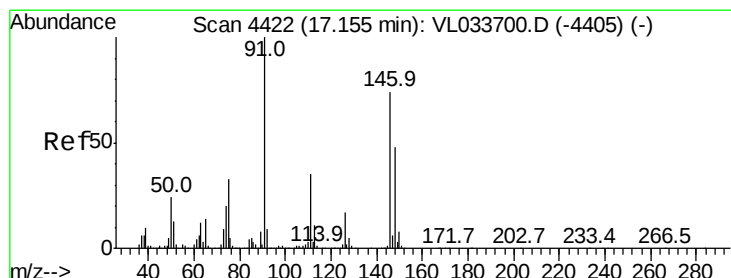
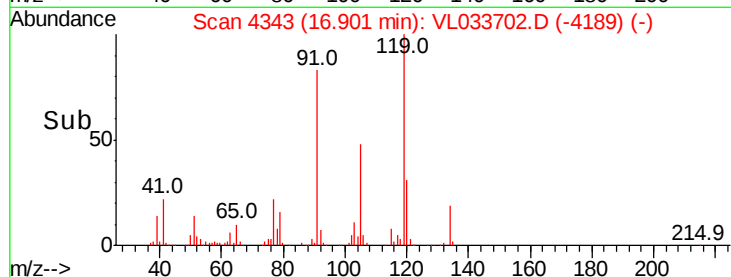
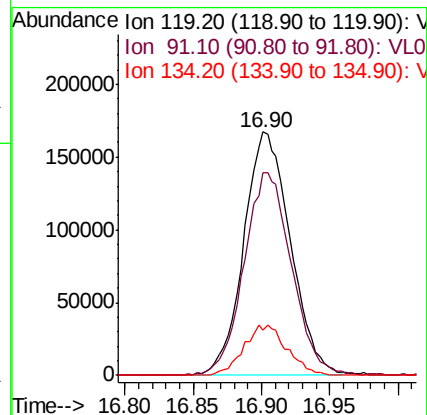
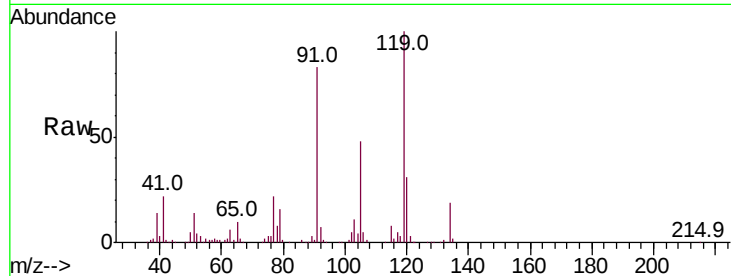
119 100

91 85.0 65.3 97.9

134 19.1 15.7 23.5

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#66

Benzyl Chloride

Concen: 0.887 ppbv

RT: 17.15 min Scan# 4420

Delta R.T. -0.01 min

Lab File: VL033702.D

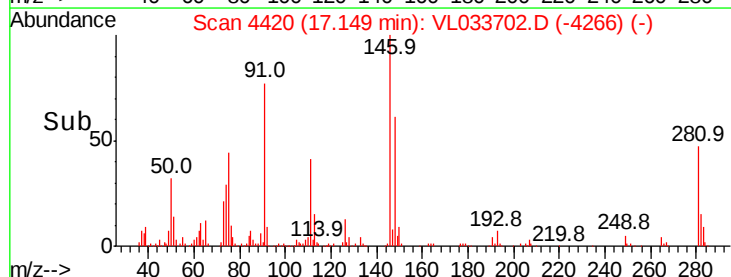
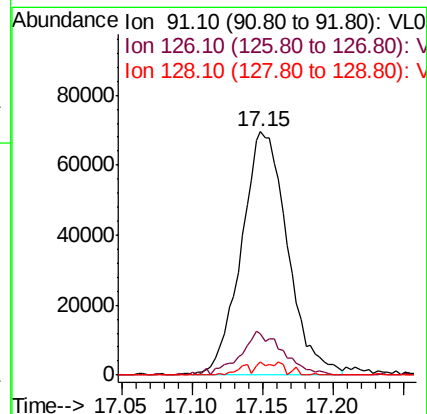
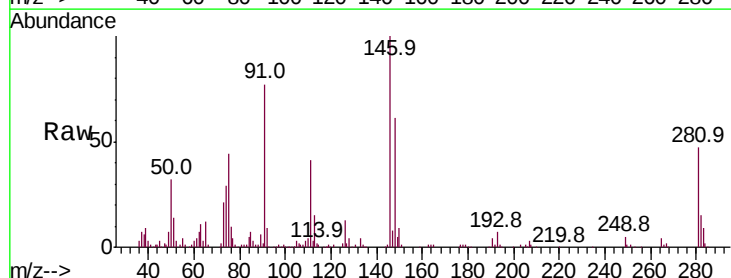
Acq: 17 May 2019 3:18

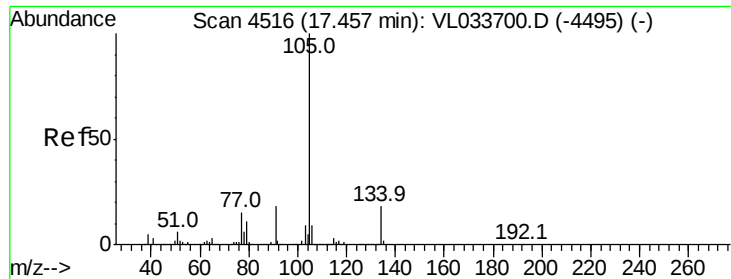
Tgt Ion: 91 Resp: 159023
Ion Ratio Lower Upper

91 100

126 16.7 13.5 20.3

128 4.3 4.3 6.5#





#67

sec-Butylbenzene

Concen: 1.018 ppbv

RT: 17.45 min Scan# 4515

Delta R.T. -0.00 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 555133

Ion Ratio Lower Upper

105 100

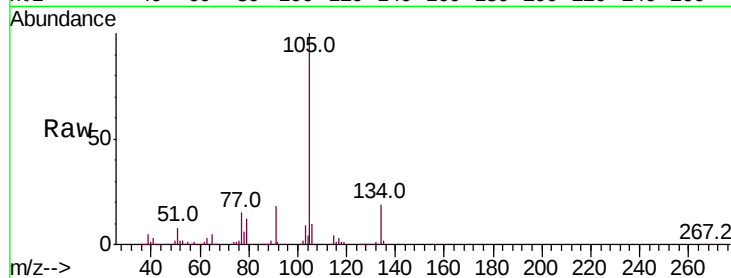
134 17.8 14.6 22.0

Manual Integrations

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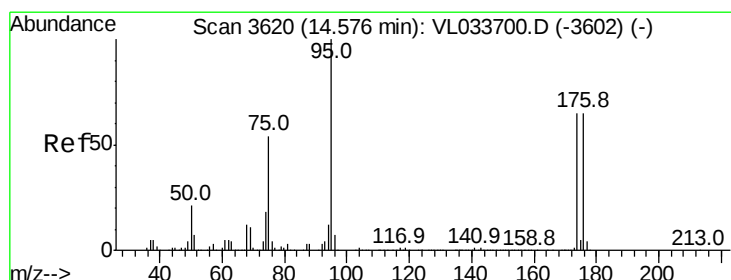
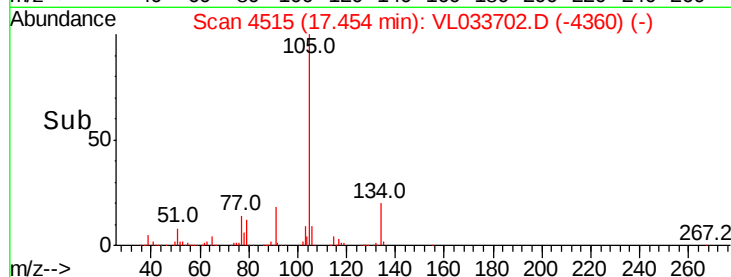
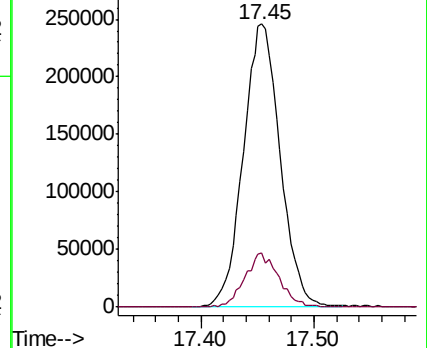
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.790 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

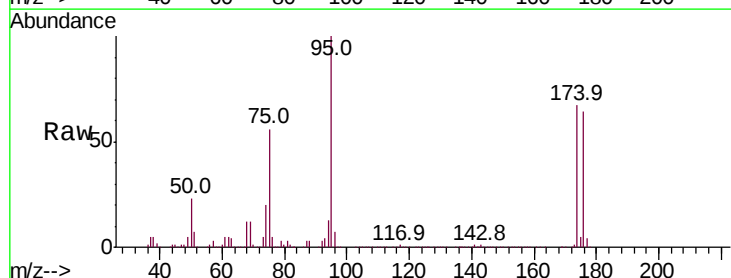
Tgt Ion: 95 Resp: 2139470

Ion Ratio Lower Upper

95 100

174 67.3 53.9 80.9

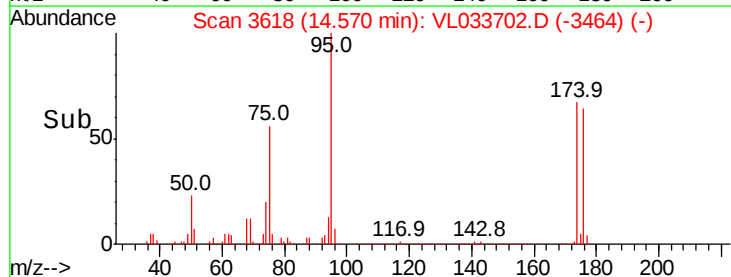
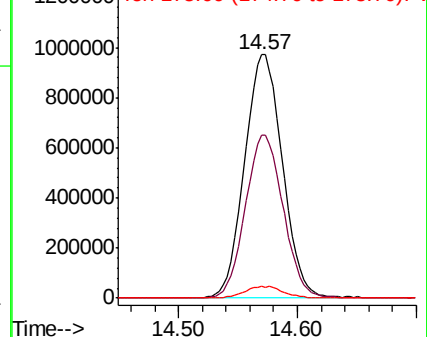
175 4.9 3.8 5.8

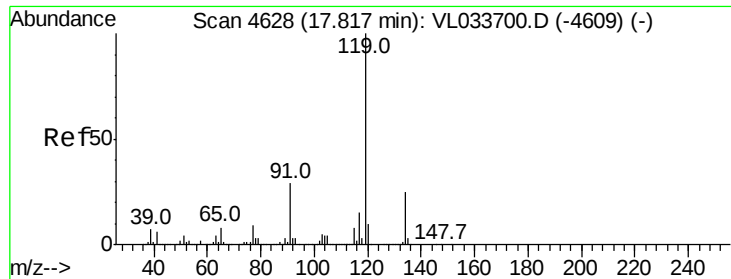


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





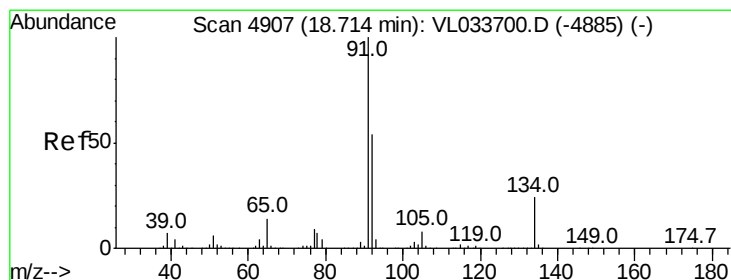
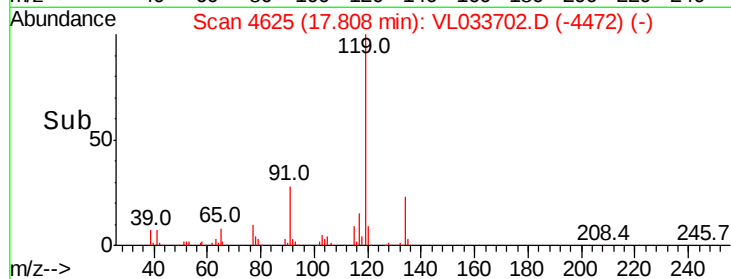
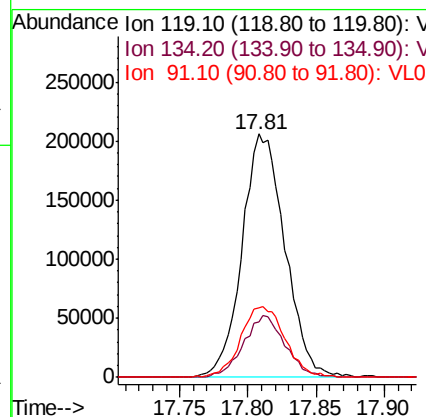
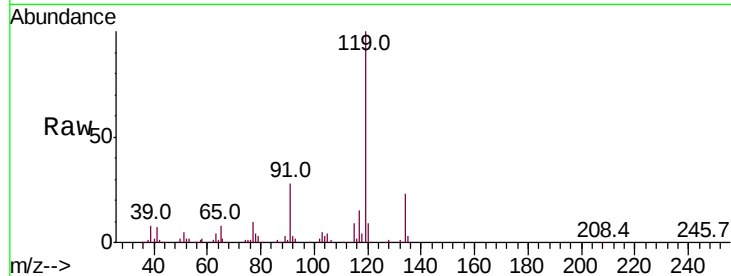
#69
 p-Isopropyltoluene
 Concen: 0.997 ppbv
 RT: 17.81 min Scan# 4625
 Delta R.T. -0.01 min
 Lab File: VL033702.D
 Acq: 17 May 2019 3:18

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	448416		
134	24.7	20.3	30.5	
91	30.0	23.1	34.7	

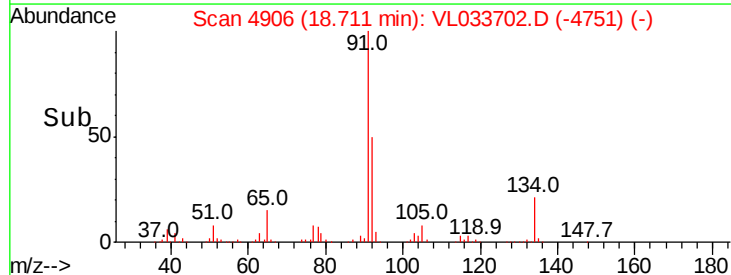
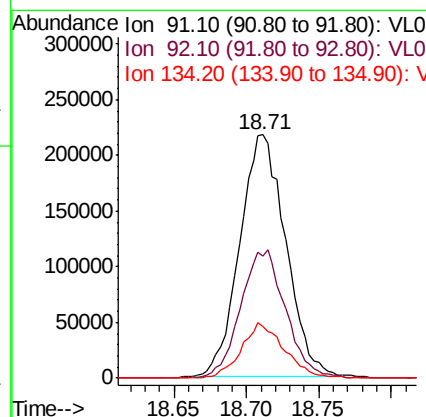
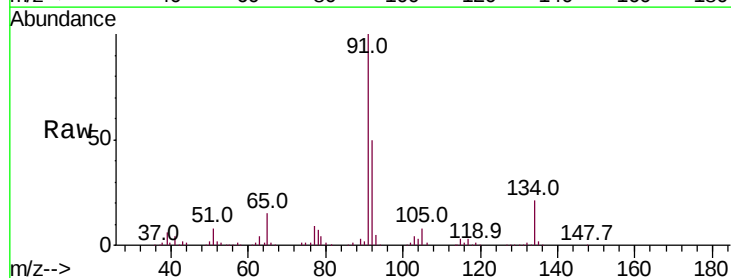
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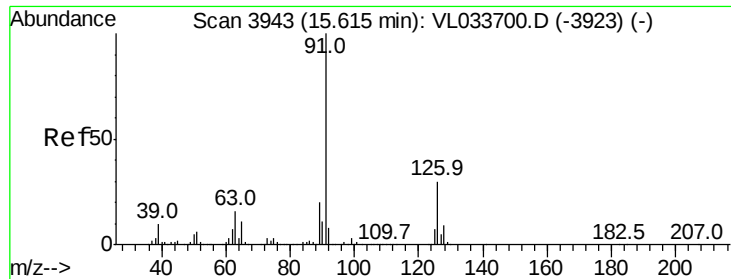
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#70
 n-Butylbenzene
 Concen: 1.008 ppbv
 RT: 18.71 min Scan# 4906
 Delta R.T. -0.00 min
 Lab File: VL033702.D
 Acq: 17 May 2019 3:18

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	479001		
92	52.1	42.6	63.8	
134	21.3	18.1	27.1	





#71

2-Chlorotoluene

Concen: 1.003 ppbv

RT: 15.61 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 316194

Ion Ratio Lower Upper

91 100

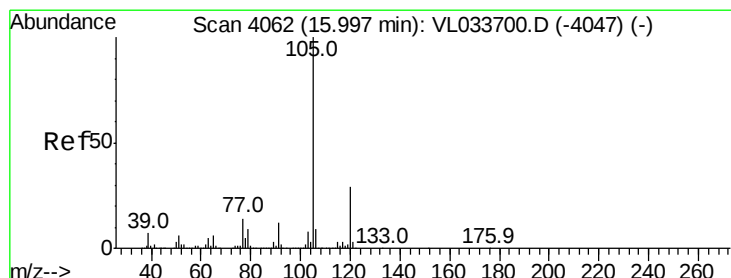
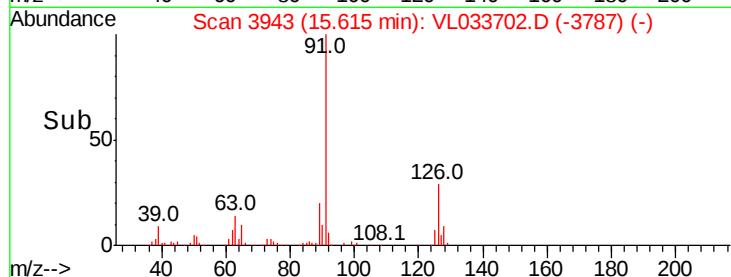
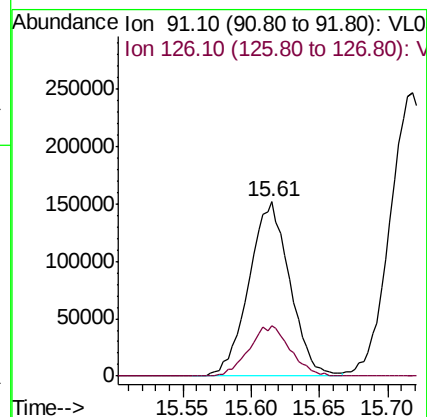
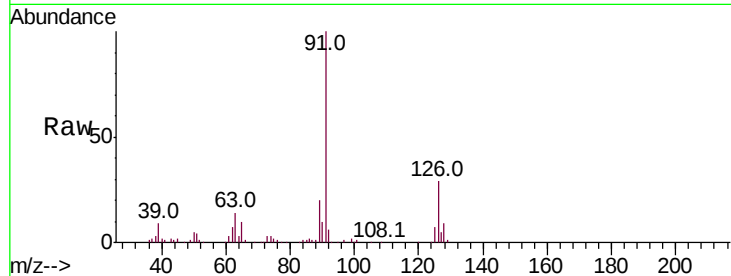
126 29.3 12.0 47.8

Manual Integrations

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#72

4-Ethyltoluene

Concen: 0.982 ppbv

RT: 15.99 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Tgt Ion:105 Resp: 360124

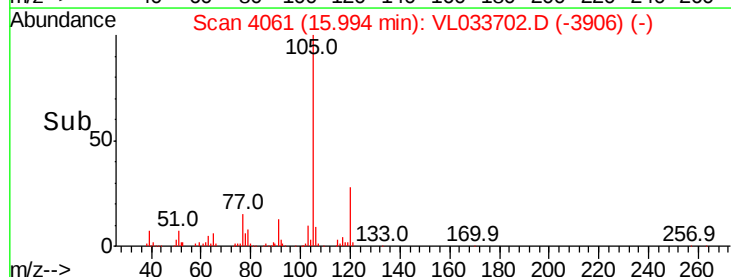
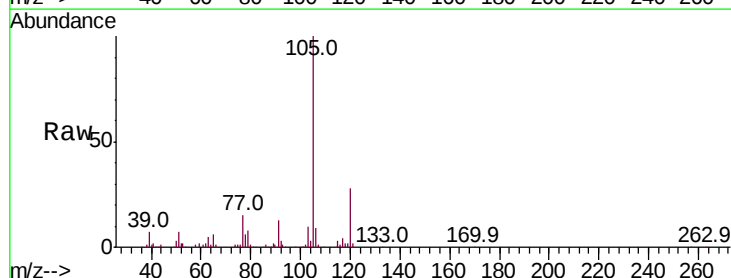
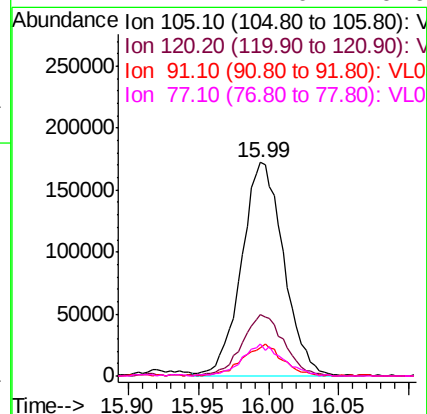
Ion Ratio Lower Upper

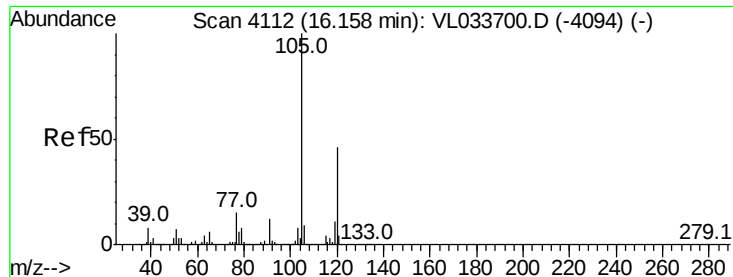
105 100

120 29.0 23.1 34.7

91 15.1 10.4 15.6

77 14.7 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 1.018 ppbv

RT: 16.15 min Scan# 4110

Delta R.T. -0.01 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 360242

Ion Ratio Lower Upper

105 100

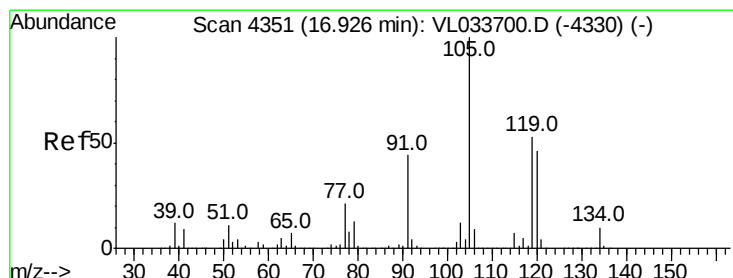
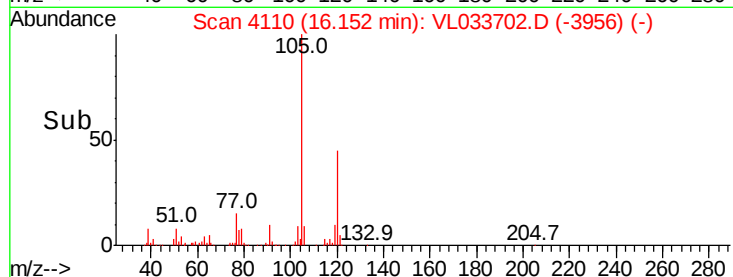
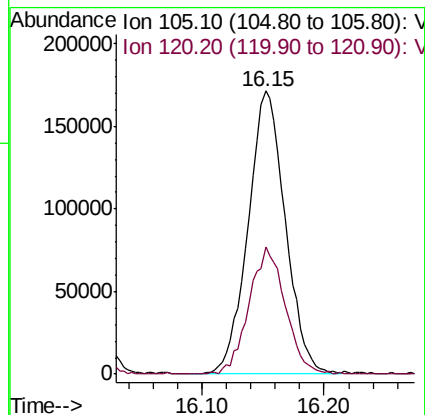
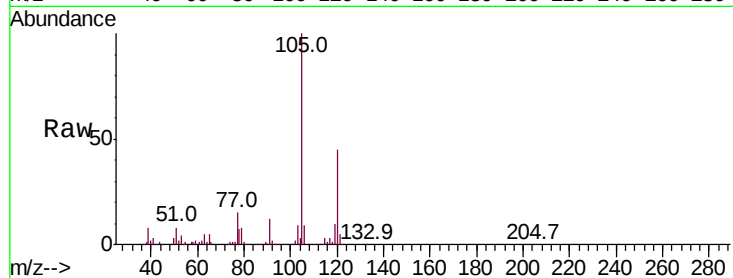
120 44.7 37.0 55.4

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#74

1,2,4-Trimethylbenzene

Concen: 1.004 ppbv

RT: 16.92 min Scan# 4349

Delta R.T. -0.01 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Tgt Ion:105 Resp: 396061

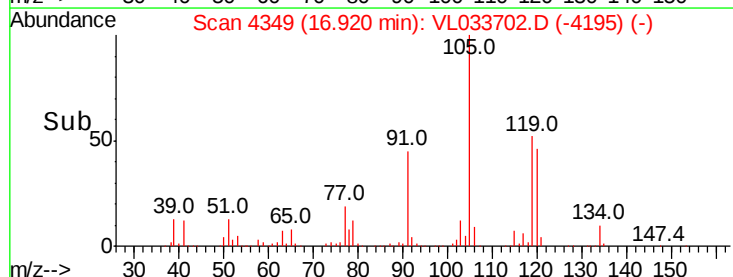
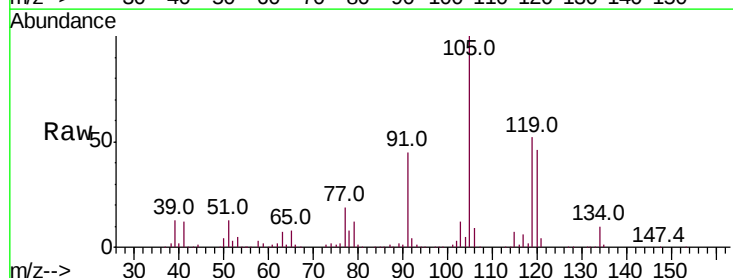
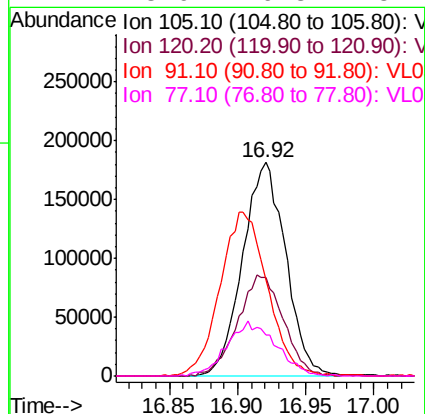
Ion Ratio Lower Upper

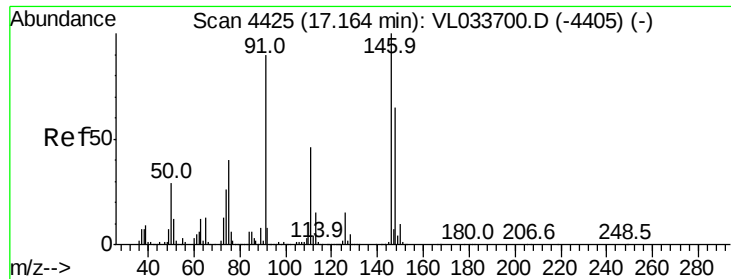
105 100

120 46.5 36.8 55.2

91 44.4 35.4 53.0

77 18.9 16.8 25.2





#75

1,3-Dichlorobenzene

Concen: 1.029 ppbv m

RT: 17.16 min Scan# 4422

Delta R.T. -0.01 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Instrument :

MSVOA_L

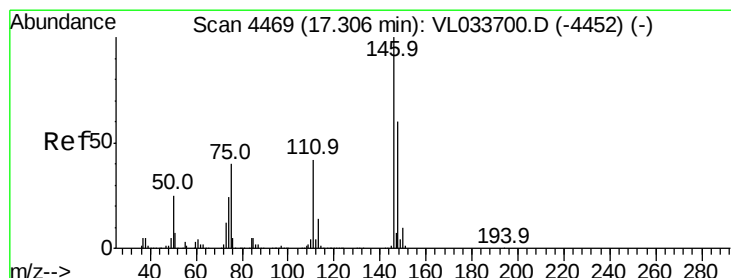
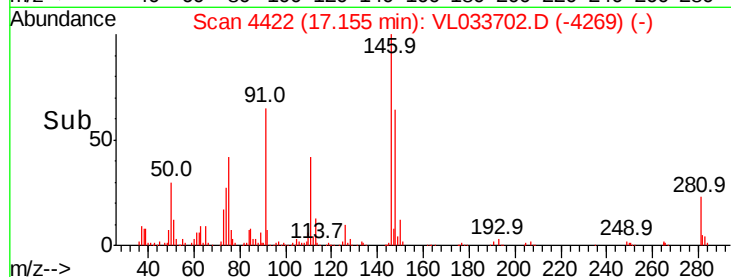
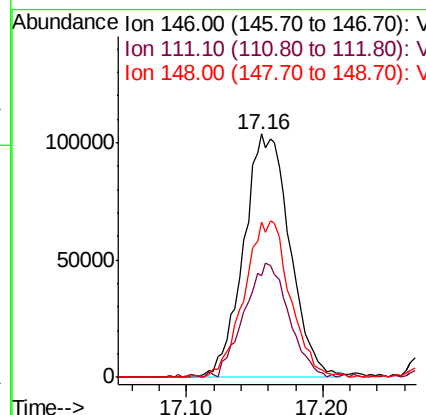
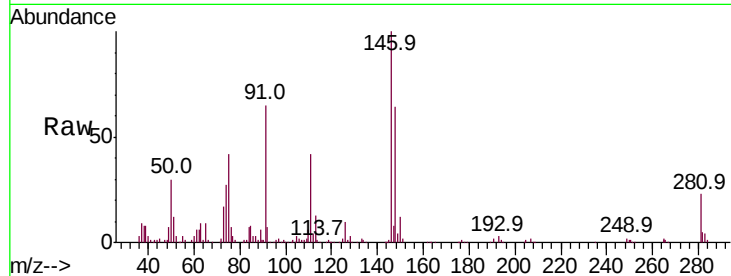
ClientSampled :

VSTDIC001

Tot Ion:	146	Resp:	244332
Ion Ratio	Lower	Upper	
146	100		
111	45.5	22.9	68.8
148	63.9	32.0	96.2

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#76

1,4-Dichlorobenzene

Concen: 0.982 ppbv

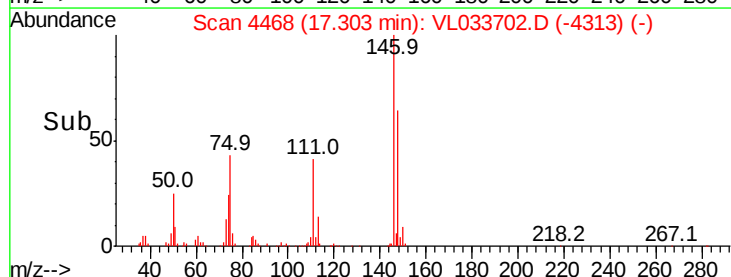
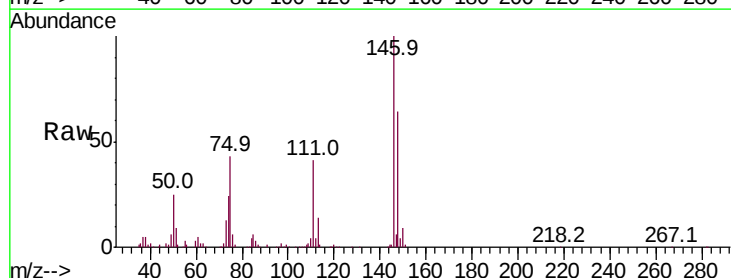
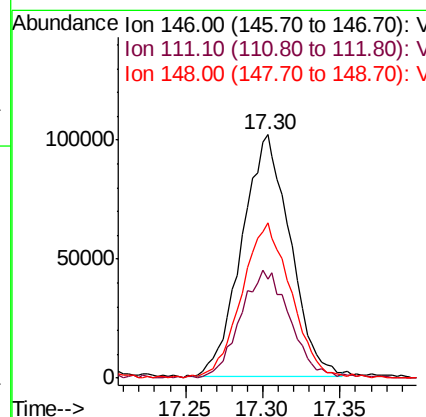
RT: 17.30 min Scan# 4468

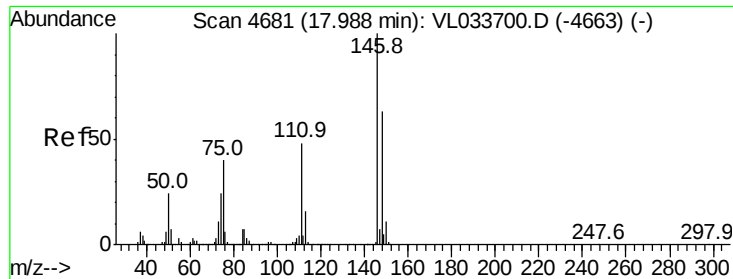
Delta R.T. -0.00 min

Lab File: VL033702.D

Acq: 17 May 2019 3:18

Tgt Ion:	146	Resp:	221309
Ion Ratio	Lower	Upper	
146	100		
111	46.3	21.9	65.8
148	65.9	32.1	96.3





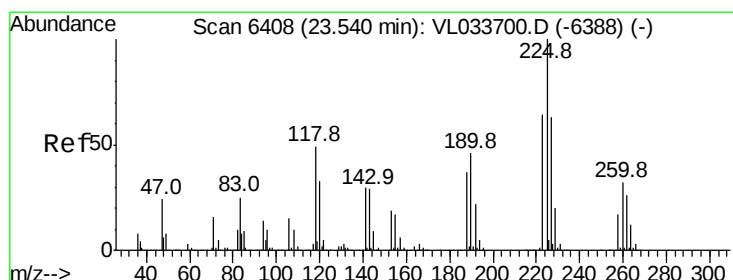
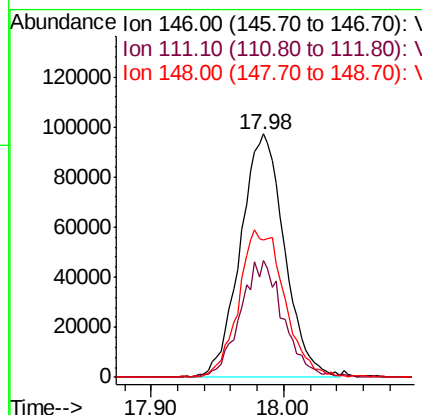
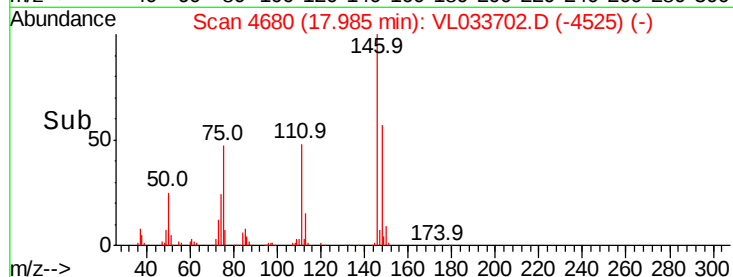
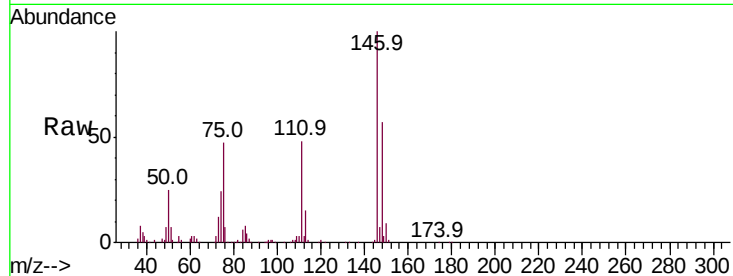
#77
 1,2-Dichlorobenzene
 Concen: 1.012 ppbv
 RT: 17.98 min Scan# 4680
 Delta R.T. -0.00 min
 Lab File: VL033702.D
 Acq: 17 May 2019 3:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
146	100	223137		
111	47.5	23.5	70.5	
148	63.3	32.1	96.3	

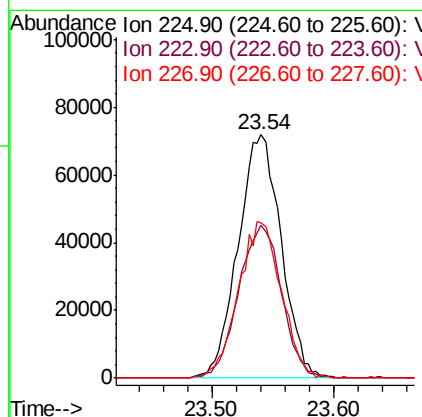
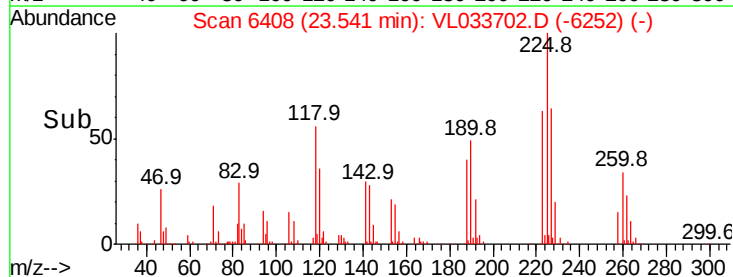
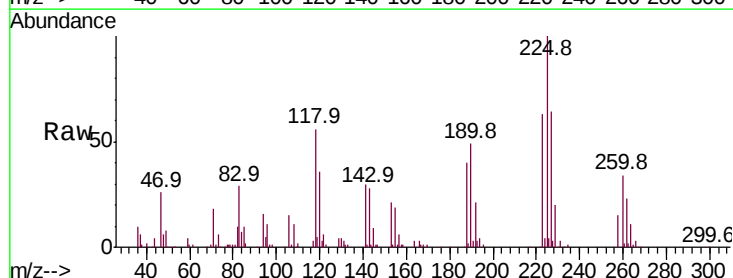
Manual Integrations
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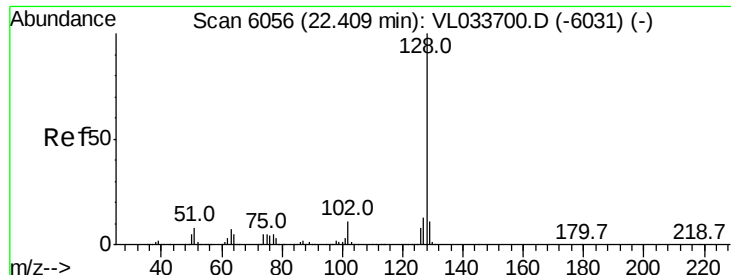
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#78
 Hexachloro-1,3-Butadiene
 Concen: 1.004 ppbv
 RT: 23.54 min Scan# 6408
 Delta R.T. 0.00 min
 Lab File: VL033702.D
 Acq: 17 May 2019 3:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	175606		
223	62.6	50.2	75.4	
227	64.1	50.7	76.1	





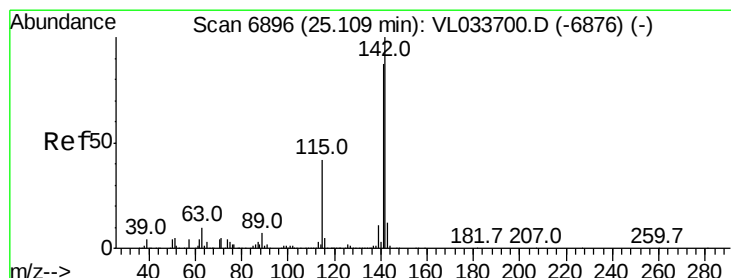
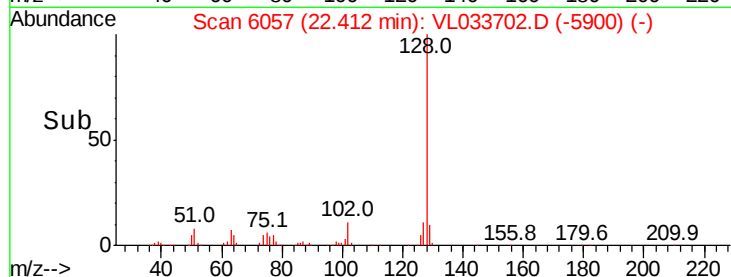
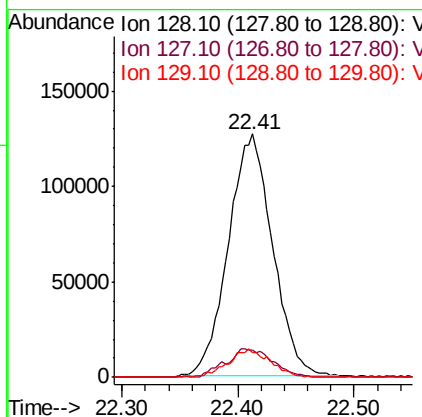
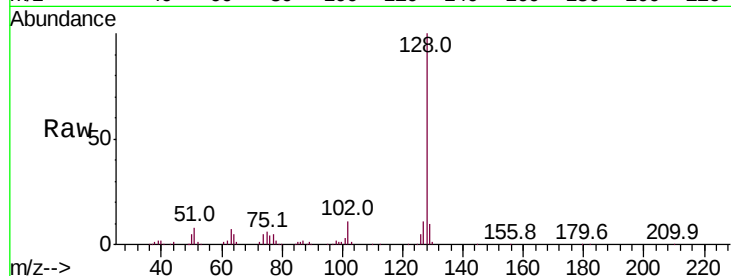
#79
Naphthalene
Concen: 0.921 ppbv
RT: 22.41 min Scan# 6057
Delta R.T. 0.00 min
Lab File: VL033702.D
Acq: 17 May 2019 3:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
128	100	332278		
127	11.5	10.6	16.0	
129	10.0	8.9	13.3	

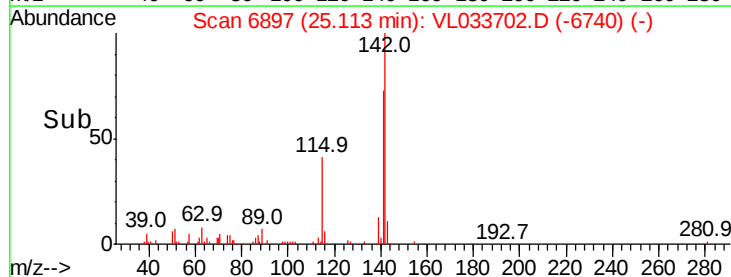
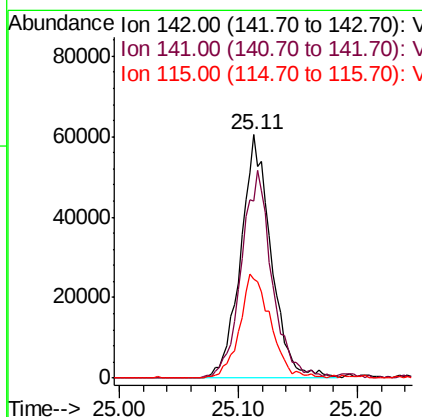
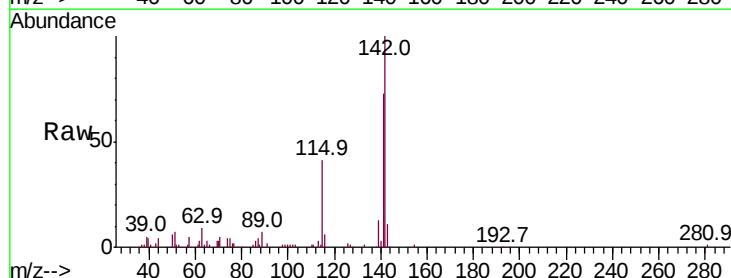
Manual Integrations
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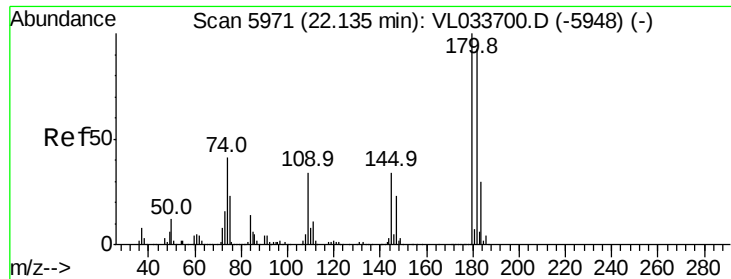
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#80
Naphthalene, 2-methyl-
Concen: 0.776 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. 0.00 min
Lab File: VL033702.D
Acq: 17 May 2019 3:18

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	106835		
141	87.5	67.2	100.8	
115	43.6	34.1	51.1	





#81
 1,2,4-Trichlorobenzene
 Concen: 0.974 ppbv
 RT: 22.13 min Scan# 5970
 Delta R.T. -0.00 min
 Lab File: VL033702.D
 Acq: 17 May 2019 3:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.1	114.1
184	29.7	24.6	37.0

Manual Integrations
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